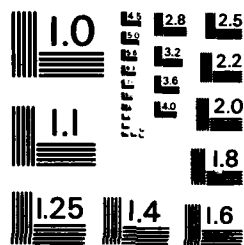


UNCLASSIFIED

MC GUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 20 JUL 83
USAFETAC/DS-83/028 SBI-AD-E850 417 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AD-A134-199

USAFETAC/DS-93/028

ETAC

USAF 734096
ADE 850 417

①

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MOGUIRE AFB NJ MSC 4774096
N 40 01 W 074 36 ELEV 133 FT RI

PARTS A-F HOURS SUMMARIZED: 0000Z - 2300Z

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 73 - DEC 82
SUMMARY OF DAY DATA: SEP 42 - DEC 82
TIME CONVERSION GMT TO LST: -5

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Review and Approval Statement

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This technical report has been reviewed and is approved for publication.

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGMANN,
Director, Air Weather Service
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REPORT DOCUMENTATION PAGE			READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER		
USAFETAC/DS -83/028 *	AD-A34179			
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)-		5. TYPE OF REPORT & PERIOD COVERED		
MCGUIRE AFB, NEW JERSEY		Final rept		
7. AUTHOR(s)		8. CONTRACT OR GRANT NUMBER(s)		
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB, IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS		
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB, IL 62225		12. REPORT DATE JUL 83		
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		13. NUMBER OF PAGES		
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18. SUPPLEMENTARY NOTES				
SUPERSEDES REPT NO. USAFETAC/DS-79/059				
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)				
*RUSSWO	Daily temperatures	Atmospheric pressure		
Snowfall	Extreme snow depth	Extreme surface winds		
Climatology	Sea-level pressure	Psychrometric summary		
Surface Winds	Extreme temperature	Ceiling versus visibility		
Relative Humidity	*Climatological data	(over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)				
This report is a six-part statistical summary of surface weather observations for				
MCGUIRE AFB, NEW JERSEY				
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena;				
(B) Precipitation, Snowfall and Snow Depth (Daily amounts and extreme values);				
(C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric				

DD FORM 1 JAN 73 1473 EDITION OF 1 NOV 65 IS OBSOLETE

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19. Percentage frequency of distribution tables
 Dry-bulb temperature versus wet-bulb temperature
 Cumulative percentage frequency of distribution tables

*NEW JERSEY

*MCGUIRE AFB

*

20. Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

Accession For	
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DTIC TAB	<input type="checkbox"/>
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Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WHO number with the addition of a suffix zero; or, in cases where there is no designated WHO number, a 5-digit number created in agreement with WHO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO. ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV. (FT.)		CALL SIGN		WIND NUMBER	
724096		MCGUIRE AFB N. J./WRIGHTSTOWN		N 40 01		W 074 36		133		WRI			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			FIELD (FT)	BY GAGE.					
1	Fort Dix New Jersey	AAF	Jul 42	Mar 46	N 40 02	W 074 36	124	128	24				
2	McGuire AFB, New Jersey	AFB	Aug 48	Jun 50	No chge	No chge	No chge	No chge	24				
3	No change	AFB	Jul 50	Jun 55	No chge	No chge	120	127	24				
4	No change	AFB	Jul 55	Apr 57	N 40 01	W 074 35	133	117	24				
5	No change	AFB	May 57	Dec 70	N 40 00	W 074 36	No chge	148	24				
6	No change	AFB	Jan 71	Nov 77	N 40 01	W 074 36	133	148	24				
7	No change	AFB	Dec 77	Apr 83	N 40 01	W 074 36	133	148	24				
NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE							
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND								
1	Jul 42- Feb 43	Located 250 ft. N of E-W Rnwy.	Anemometer	N/A	24 ft.								
2	Mar 43- Dec 44	Located on NW wing of base operations bldg.	No chge	N/A	45 ft.								
3	Jan 45- Mar 46	No change.	Selsyn	ML-144B	52 ft.								
4	Aug 48- Feb 56	Located on roof over weather stn.	No chge	No chge	50 ft.								
5	Mar 56- Feb 57	Located 1500 ft. from SW end of Rnwy 06, 500 ft from center of Rnwy 06.	AN/GNQ-11	RO-2	16 ft.								

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
6	Mar 57- Feb 58	Located approx. 1 1/4 miles S of station inside of leg of triangle formed by Rwy 06.	AN/GMQ-11	RO-2	20 ft.	
7	Mar 58- May 61	Located 500 ft. W and 1500 ft. from end of Rwy 06.	No chge	No chge	25 ft.	
8	Jun 61- Dec 61	Located 500 ft from Rwy 06, 1000 ft. SW from ILS Glide Slope Trans- mitter.	No chge	No chge	15 ft.	
9	Jan 62- Feb 65	1. Located 500 ft. from Rwy 06, 1000 ft. SW from ILS Glide Slope Transmitter. 2. Located 500 ft. S of Rwy 24 centerline, 1000 ft. from approach end of Rwy 24.	No chge	No chge	15 ft.	
10	Mar 65- Sep 70	1. Rwy 06 - 500 ft. from center, 500 Ft. from approach end.	No chge	No chge	13 ft.	
		2. Rwy 24 - 500 ft. from center, 1000 ft. from approach end.	No chge		13 ft.	
11	Oct 70- Dec 70	1. Rwy 06 - 400 ft. from center, 400 ft. from the end.	AN/GMQ-20	RO-362	No chge	
		2. Rwy 24 - 400 ft. from center, 1400 ft. from end.	AN/GMQ-20		No chge	
12	Jan 71- Nov 77	1. Same 2. Same	Same Same	Same	No chge No chge	
13	Apr 80	1. Rwy 06 - NW side of rwy 350 Ft from center, 1000 Ft from end of rwy. 2. Rwy 24 - NW side of rwy 350 ft from center, 1000 ft from end of rwy.	Same Same	Same Same	No chge No chge	
14.	Apr 83	1. Same 2. Same	Same	Same	No chge	

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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

8
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02		8.5	1.1	6.0		15.1	12.6	3.8	.8		16.6	930
	03-05		8.0	1.6	6.0		15.2	15.4	3.4	1.4		18.3	930
	06-08		7.1	1.2	6.3		14.0	18.1	6.0	.8		22.5	930
	09-11		8.6	.5	6.3		15.2	16.3	8.4	1.0		23.7	930
	12-14		8.9	.8	7.8		17.0	12.2	7.5	.4		19.6	930
	15-17		8.2	.8	5.7		14.8	12.4	8.7	.6		21.1	930
	18-20	.2	8.4	.4	5.3		13.7	10.6	5.1	.3		15.8	930
	21-23		7.7	1.4	6.9		15.6	10.8	3.8	.5		14.8	930
TOTALS		.0	8.2	1.0	6.3		15.0	13.6	5.8	.7		19.1	7440



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FEB	00-02		7.1	.7	5.8		13.2	16.4	3.3	.6		19.3	846
	03-05		7.8	.8	5.3		13.5	17.1	2.8	.7		19.5	846
	06-08		6.9	1.2	4.8		12.2	19.3	6.3	1.2		24.2	846
	09-11		7.0	.2	5.1		12.0	15.4	8.0	1.4		22.7	845
	12-14		6.9		5.7		12.5	11.6	7.9	.9		19.3	846
	15-17	.1	7.9	.6	3.9	.1	11.9	10.0	8.2	.6		18.4	846
	18-20	.2	9.9	.8	5.3	.1	15.1	11.6	6.4	.7		18.4	846
	21-23	.2	8.7	.9	5.6		14.7	13.9	4.0	.6		18.1	846
TOTALS		.1	7.8	.7	5.2	.0	13.1	14.4	5.9	.8		20.0	6767

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MCGUIRE AFB NJ

STATION NAME

73-82

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02	.4	8.3		2.9		10.9	15.5	3.7	.1		17.7	930
	03-05	.1	10.5	.3	3.1		13.3	16.8	4.6	.2		20.2	930
	06-08	.1	11.7	.2	2.4		13.9	21.5	10.3	.1		29.6	930
	09-11	.1	11.7	.2	3.7		14.8	18.1	9.2			25.1	930
	12-14	.5	12.2		3.4		15.2	13.2	8.3			20.4	930
	15-17		10.8		3.8		13.9	13.9	7.2	.1		20.3	930
	18-20	.4	10.8		3.2		13.4	13.2	4.9	.1		17.8	930
	21-23	.4	11.0		3.3		14.2	14.1	4.6	.3		18.0	930
TOTALS		.3	10.9	.1	3.2		13.7	15.8	6.6	.1		21.1	7440



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

774096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.4	10.4		.8		11.0	14.8	3.4			16.7	900
	03-05	.3	9.9		.7		10.6	16.6	6.1			19.4	900
	06-08	.2	11.4		.3		11.8	17.1	10.3			23.8	900
	09-11	.1	11.7		.9		12.6	10.4	7.9			17.0	900
	12-14	.1	12.0		1.2		13.1	9.2	5.7	.2		13.2	900
	15-17	.6	12.7		.8	.1	13.4	9.0	4.4			13.1	900
	18-20	.8	10.7		.4		11.1	10.9	4.0	.3		14.8	900
	21-23	.8	11.1		.1		11.1	12.0	3.7			14.9	900
TOTALS		.4	11.2		.7	.0	11.8	12.5	5.7	.1		16.6	7200

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATIONMCGUIRE AFB NJ
STATION NAME73-82
YEARSMAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLUING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	.9	13.1				13.1	27.0	8.4			32.5	930
	03-05	.3	12.7				12.7	35.1	9.5			39.0	930
	06-08	.3	13.1			.1	13.1	33.9	15.7			42.1	929
	09-11	.4	11.3				11.3	14.9	16.9			29.3	929
	12-14	.4	10.9				10.9	8.8	14.4			22.0	930
	15-17	1.4	11.7				11.7	8.4	13.8			21.5	930
	18-20	3.0	13.7				13.7	13.1	12.4			25.1	930
	21-23	1.6	14.8				14.8	19.9	9.9			28.1	930
TOTALS		1.0	12.7			.0	12.7	20.1	12.6			30.0	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	.8	8.1				8.1	27.6	14.6			37.5	899
	03-05	.9	7.2				7.2	40.1	17.8			49.1	900
	06-08	.6	8.9				8.9	33.0	23.3			48.2	900
	09-11	.7	9.1				9.1	11.6	23.1			32.2	900
	12-14	1.2	6.7				6.7	5.3	21.2			25.8	900
	15-17	2.9	9.0				9.0	6.7	18.2			24.1	900
	18-20	3.9	8.6				8.6	10.9	19.6			28.0	900
	21-23	2.4	10.0				10.0	17.3	17.3		.1	30.4	900
TOTALS		1.7	8.5				8.5	19.1	19.4		.0	34.4	7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	.9	4.4				4.8	24.7	27.2			41.9	930
	03-05	.9	4.8				4.8	40.8	28.9			53.9	930
	06-08	.9	4.7				4.7	36.9	37.4			56.7	930
	09-11	.2	5.2				5.2	8.9	33.9			39.2	930
	12-14	1.6	5.8				5.8	3.7	32.2			34.8	929
	15-17	3.9	7.4			.1	7.4	4.1	35.2			37.7	930
	18-20	2.3	6.9				6.9	7.4	34.5			38.5	930
	21-23	2.0	6.2				6.2	14.4	31.6			39.1	930
TOTALS		1.6	5.7			.0	5.7	17.6	32.6			42.7	7439

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02	2.5	6.0				6.0	33.3	27.8			49.1	930
	03-05	.3	5.1				5.1	47.5	28.7			58.4	930
	06-08	.3	4.9				4.9	48.6	36.1			63.3	930
	09-11	.3	4.6				4.6	14.4	41.5			48.3	930
	12-14	.9	5.6				5.6	4.4	40.3			42.8	930
	15-17	4.7	7.1				7.1	6.0	39.8			44.1	930
	18-20	4.3	7.4				7.4	11.8	35.7			43.1	930
	21-23	3.8	6.1				6.1	20.9	30.0			42.6	930
TOTALS		2.1	5.9				5.9	23.4	35.0			49.0	7440

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MC GUIRE AFB NJ
STATION NAME

73-82
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	1.0	10.6				10.6	25.9	12.8			33.8	900
	03-05	.3	10.2				10.2	34.4	13.3			40.6	900
	06-08	.2	8.3				8.3	42.3	21.4			51.4	900
	09-11		7.3				7.3	13.4	24.1			32.9	900
	12-14	.8	7.8				7.8	6.2	21.0			25.4	900
	15-17	1.1	7.3				7.3	6.3	21.9			27.2	900
	18-20	1.6	9.8				9.8	10.7	21.0			29.2	900
	21-23	.9	10.6				10.6	21.0	17.6			33.4	900
TOTALS		.7	9.0				9.0	20.0	19.1			34.2	7200

1
2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
OCT	00-02	.2	8.8				8.8	21.4	5.8			24.2	930
	03-05		9.8				9.8	28.4	5.5			31.2	930
	06-08	.2	9.8		.1		9.8	36.7	9.9			39.7	929
	09-11		9.9		.3		10.1	15.1	16.3			28.4	930
	12-14	.1	9.5		.3		9.5	6.9	10.1			16.8	929
	15-17		8.2		.1		8.2	6.8	9.9			16.5	928
	18-20	.4	9.8				9.8	10.9	7.4			17.2	929
	21-23	.3	8.3				8.3	14.8	6.1			18.9	927
TOTALS		.2	9.3		.1		9.3	17.6	8.9			24.1	7432

1
2GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724796

MC GUIRE AFB NJ

73-82

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRE'IP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		11.4		.2		11.7	19.8	3.6			22.6	900
	03-05	.2	12.1		.3		12.4	24.6	4.2			27.2	900
	06-08	.1	10.0		.3		10.3	27.6	6.0			31.4	900
	09-11		10.0		.4		10.3	17.6	11.0			25.9	900
	12-14		8.0		.6		8.6	9.1	11.0			18.0	900
	15-17	.2	9.9				9.9	10.1	12.3			20.7	900
	18-20	.1	10.1		.4		10.4	12.9	7.8			19.4	900
	21-23	.1	11.1		.6		11.7	16.6	4.8			19.9	900
TOTALS		.1	10.3		.4		10.7	17.3	7.6			23.1	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

74096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
DEC	00-02		10.3	.3	3.5		13.7	16.8	2.9	.3		18.8	930
	03-05		9.4	.6	3.2		12.9	18.7	3.3	.4		20.8	930
	06-08		10.6	1.0	2.8		14.1	21.9	4.9	1.0		25.3	930
	09-11	.1	12.0	.3	3.3		15.3	17.2	8.7	.6		24.7	930
	12-14		10.5	.6	2.8	.1	13.5	11.3	6.0	.2		17.1	930
	15-17		11.0	.4	2.7		13.8	10.9	4.6	.3		15.6	930
	18-20		11.3	.5	2.5		14.1	14.5	2.5	.1		16.2	928
	21-23		12.2	.8	3.1		15.9	15.4	2.6	.2		17.6	927
TOTALS		.0	10.9	.6	3.0	.0	14.2	15.8	4.4	.4		19.5	7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

724096
STATION

MC GUIRE AFB NJ
STATION NAME

73-82
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AI-D. OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.0	8.2	1.0	6.3		15.0	13.6	5.8	.7		19.1	7440
FEB		.1	7.8	.7	5.2	.0	13.1	14.4	5.9	.8		20.0	6767
MAR		.3	10.9	.1	3.2		13.7	15.8	6.6	.1		21.1	7440
APR		.4	11.2		.7	.0	11.8	12.5	5.7	.1		16.6	7200
MAY		1.0	12.7			.0	12.7	20.1	12.6			30.0	7438
JUN		1.7	8.5				8.5	19.1	19.4		.0	34.4	7199
JUL		1.6	5.7			.0	5.7	17.6	32.6			42.7	7439
AUG		2.1	5.9				5.9	23.4	35.0			49.0	7440
SEP		.7	9.0				9.0	20.0	19.1			34.2	7200
OCT		.2	9.3		.1		9.3	17.6	8.9			24.1	7432
NOV		.1	10.3		.4		10.7	17.3	7.6			23.1	7200
DEC		.0	10.9	.6	3.0	.0	14.2	15.8	4.4	.4		19.5	7435
TOTALS		.7	9.2	.2	1.6	.0	10.8	17.3	13.6	.2	.0	27.8	87630

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XX WEATHER CONDITIONS
XXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

724096
STATION

MCGUIRE AFB NJ
STATION NAME

48-82
YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	DAILY	.8	33.6	5.0	29.5	.2	50.3	41.5	43.6	4.1		61.4	1054
FEB		1.3	34.8	2.8	27.9	.1	50.8	42.2	41.9	4.3		59.5	960
MAR		3.5	43.4	.9	20.5	.2	53.6	45.0	38.2	2.4		57.6	1054
APR		8.0	51.3	.3	4.3	.2	52.4	44.1	40.1	.2		55.9	1020
MAY		13.5	51.5		.2	.1	51.5	53.8	49.8		.1	66.1	1054
JUN		18.1	46.0			.7	46.0	59.4	62.1			74.0	1020
JUL		21.3	43.4			.3	43.4	63.0	72.0		.1	78.8	1054
AUG		19.2	43.2			.3	42.3	69.2	74.4			81.1	1076
SEP		8.6	39.0			.1	37.9	62.8	61.6		.1	72.9	1050
OCT		3.1	35.9		.9		35.3	56.0	52.9		.3	67.3	1085
NOV		1.9	40.4		6.3	.1	42.1	47.1	46.3	.1		61.5	1050
DEC		.1	39.4	3.1	20.8		49.3	45.6	41.3	1.5	.1	61.2	1085
TOTALS		8.3	41.8	1.0	9.2	.2	46.2	52.5	52.0	1.0	.1	66.4	12562

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

74096 HOGUIRE AFB NJ

42-46, 48-82

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	7.7	15.0	2.5	7.6	3.9	7.6	6.6	4.8	1.7					34.6	1178	3.15	9.12	.31
FEB	47.5	16.8	2.4	6.9	3.7	7.6	6.6	4.9	1.6					33.7	1072	2.87	5.73	.73
MAR	45.5	17.6	3.0	5.2	4.6	8.0	6.1	6.5	2.5					35.5	1177	3.80	7.22	1.14
APR	47.7	16.9	2.9	6.7	4.7	6.5	6.1	6.4	2.1	.1				35.4	1110	3.53	6.54	1.17
MAY	48.9	14.6	3.3	7.6	4.7	8.9	5.2	4.4	2.1	.3				36.5	1147	3.29	6.47	.23
JUN	44.1	13.2	2.8	7.1	3.3	6.4	5.1	5.1	2.6	.2				32.7	1109	3.57	9.34	.35
JUL	55.1	13.7	2.3	5.9	3.2	6.6	4.6	3.1	3.7	.9				37.3	1147	4.27	17.16	.71
AUG	57.7	13.8	2.8	3.8	2.7	5.4	5.0	4.7	3.0	.9	.2			28.6	1169	4.87	15.01	.78
SEP	67.7	12.4	1.6	4.8	3.2	5.6	4.1	4.1	3.4	.4				27.3	1170	3.59	9.35	.62
OCT	3.7	12.2	2.1	4.2	2.9	4.5	3.8	3.3	2.9	.4				24.1	1209	3.20	6.95	.08
NOV	5.7	12.3	1.7	7.1	3.3	6.5	5.4	5.6	2.2	.3				32.1	1166	3.45	8.83	.27
DEC	10.5	16.1	2.8	6.0	3.1	7.8	5.4	5.1	3.7	.1	.1			33.4	1208	3.88	12.41	.16
ANNUAL	33.4	14.5	2.5	6.1	3.6	6.8	5.3	4.8	2.6	.3	.0			32.0	13862	3.46		

USAFETAC FORM 0-15-5 (OL A)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SE/ICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

724056

46UIRE AFB NJ

42-46, 48-82

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	1.3	15.0	2.5	7.6	3.9	7.6	6.6	4.8	1.7					34.6	1178	3.15	9.19	.31
FEB	49.5	16.8	2.4	6.9	3.7	7.6	6.6	4.9	1.6					33.7	1072	2.87	5.73	.73
MAR	46.6	17.6	3.3	5.2	4.6	8.0	6.1	6.5	2.5					35.8	1177	3.80	7.22	1.14
APR	47.7	16.9	2.9	6.7	4.7	6.5	6.1	6.4	2.1	.1				35.4	1110	3.53	6.54	1.17
MAY	43.9	14.6	3.3	7.6	4.7	8.9	5.2	4.4	2.1	.3				36.5	1147	3.29	6.49	.23
JUN	44.1	13.2	2.3	7.1	3.3	6.4	5.1	5.1	2.6	.2				32.7	1109	3.57	8.34	.35
JUL	55.1	13.7	2.3	5.9	3.2	6.6	4.6	3.1	3.7	.9				30.3	1147	4.27	10.16	.71
AUG	57.7	13.8	2.8	3.8	2.7	5.4	5.0	4.7	3.0	.9	.2			28.6	1169	4.87	15.01	.78
SEP	60.3	12.4	1.6	4.8	3.2	5.6	4.1	4.1	3.4	.4				27.3	1170	3.58	9.35	.82
OCT	63.7	12.2	2.1	4.2	2.9	4.5	3.8	3.3	2.9	.4				24.1	1209	3.20	6.85	.08
NOV	55.7	12.3	1.7	7.1	3.3	6.5	5.4	5.6	2.2	.3				32.1	1166	3.45	8.83	.24
DEC	50.5	16.1	2.8	6.0	3.1	7.8	5.4	5.1	3.0	.1	.1			33.4	1208	3.88	12.41	.16
ANNUAL	53.4	14.5	2.5	6.1	3.6	6.8	5.3	4.8	2.6	.3	.0			32.0	13862	3.46		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

FROM DAILY OBSERVATIONS

724096 STATION MCGUIRE AFB NJ STATION NAME

42-46, 48-82 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42									.94	1.14	1.19	1.20	
43	1.31	.58	1.27	1.22	.97	1.68	4.65	.36	1.21	1.58	.72	1.31	4.65
44	.98	.28	1.81	1.84	.35	1.32	.45	2.95	4.18	1.57	2.59	.83	4.18
45	.77	.54	.85	.55	.84	1.20	2.33	.73	1.01	.73	2.24	1.54	2.33
46	.47	.77	1.08										
48								* 1.26	.63	.75	.85	6.74	
49	1.13	1.99	1.00	.78	.91	.05	1.02	2.08	.90	.63	.64	.38	2.08
50	.62	.45	1.07	.70	.85	.61	2.03	1.35	1.12	2.04	2.43	.70	2.43
51	.70	1.15	1.61	.76	1.25	1.28	.42	.65	.37	2.00	1.15	1.23	2.00
52	.58	1.01	1.62	2.59	1.59	1.66	2.77	2.18	2.23	.63	1.05	1.07	2.77
53	.91	1.62	1.93	.81	1.15	1.11	1.65	2.31	.75	1.63	.90	1.36	2.01
54	.59	.65	.89	1.74	1.29	.32	.68	2.43	2.86	.86	1.96	1.01	2.86
55	.21	.79	1.56	.73	.70	.95	.45	2.77	.71	3.21	.59	.12	3.21
56	.71	1.61	1.26	1.29	.74	.73	4.15	1.31	2.29	1.76	1.20	1.78	4.15
57	.23	.80	1.04	1.02	.36	.83	1.76	.74	.85	1.42	.88	2.50	2.50
58	1.94	2.41	2.29	1.34	1.10	.81	2.56	3.11	1.40	1.71	1.32	.89	3.11
59	.58	.84	1.98	.87	1.26	2.24	1.59	1.56	1.10	.89	1.08	1.06	2.24
60	.84	1.30	.44	.59	1.17	.89	3.87	.93	3.10	1.00	.71	.75	3.87
61	.86	.64	1.23	1.57	1.21	.82	1.42	1.08	1.20	1.36	.56	.79	1.57
62	1.26	.57	1.08	1.12	.96	1.90	1.70	3.58	1.79	.48	1.73	.96	3.58
63	.48	.92	.84	.83	1.02	.45	.59	.99	1.77	.07*	1.23	1.06	1.77
64	.86	.44	.36	.97	.10	.83	2.23	.32	1.17	.96	.89	1.51	2.23
65	1.44	.73	.69	.56	.37	.54	2.58	.68	.61	.53	.45	1.04	2.58
66	.74	2.14	.44	.85	1.29	.70	1.65	.51	3.76	3.01	.90	.96	3.76
67	.71	.81	2.23	1.27	1.52	1.33	1.32	2.30	.64	.72	.70	1.97	2.30
68	2.19	.31*	1.94	1.26	2.75	3.45	2.99	.94	.60	1.39	2.13	1.31	3.45
69	.70	.86	.78	.73	1.04	1.22	1.93	.56	3.27	.58	.75	1.54	3.27
70	.50	.82	1.10	2.00	.86	1.88	1.13	3.18	.62	1.10	.97	.71	3.18
71	.63	1.43	.78	1.32	1.86*	1.19	1.07	9.61	1.68	1.80	1.63*	1.34	9.61
72	.75	1.10	.73	.80	1.69	1.83	1.83	1.90	.73	2.33	3.40	.82	3.40
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

FROM DAILY OBSERVATIONS.

42-46, 48-82

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

724096 MCGUIRE AFB NJ
STATION STATION NAME

42-46. 98-82 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42										2.01	3.74	4.22	2.43	
43		2.79	1.37	2.61	2.50	3.96	4.39	7.23	1.25	2.42	6.47	2.36	1.44	38.79
44		2.99	1.22	5.18	6.39	1.21	4.58	.96	3.73	9.35	2.48	6.99	2.55	47.33
45		2.06	3.23	2.21	2.35	2.92	4.69	9.17	2.76	3.16	2.17	5.55	5.19	45.46
46		1.65	2.10	2.98										
48									* 3.16	1.29	1.80	3.93	12.41	
49		5.85	5.10	2.20	3.30	3.18	.05	2.71	3.63	2.76	1.98	1.29	2.37	34.12
50		1.87	1.94	3.81	2.16	2.84	1.67	3.69	4.43	2.07	2.95	3.31	2.64	33.38
51		2.97	2.79	4.17	2.53	5.04	4.05	.93	1.06	.82	3.84	4.96	5.29	38.45
52		4.05	2.28	5.03	6.54	4.34	2.61	5.55	7.59	2.98	.66	2.17	3.51	47.41
53		4.30	2.21	6.02	5.10	4.78	2.05	3.22	4.82	1.43	3.93	2.90	3.50	44.26
54		1.64	1.55	4.20	5.37	4.39	.81	1.29	6.03	5.25	2.65	4.96	3.55	41.39
55		.45	2.43	4.91	2.39	1.72	3.53	.71	9.88	2.43	6.40	1.27	.16	36.28
56		2.95	5.17	5.60	3.09	2.48	2.28	10.16	3.59	4.83	5.33	2.85	4.96	53.29
57		1.19	2.68	4.38	4.95	.99	1.92	4.02	.94	2.95	2.25	4.32	7.15	37.74
58		5.24	5.73	5.67	5.33	4.45	3.19	8.26	10.72	3.51	6.21	2.90	1.59	62.80
59		2.49	1.82	5.44	2.65	1.94	3.83	7.03	5.14	2.08	2.56	3.82	4.17	42.97
60		3.28	5.11	1.67	2.06	3.74	2.30	7.24	3.92	7.08	1.95	2.06	2.92	43.33
61		3.16	3.02	5.24	3.65	2.88	4.15	4.77	3.71	2.86	2.85	1.84	2.92	40.95
62		2.36	2.92	3.96	3.42	1.52	5.22	3.11	8.21	3.79	1.96	5.89	2.40	44.76
63		2.15	2.11	3.38	1.17	1.89	1.15	1.45	2.47	5.29	.08*	4.61	1.98	47.73
64		3.52	2.69	1.14	5.44	.23	1.55	4.15	.78	3.07	2.00	1.58	4.79	30.94
65		2.87	2.27	3.73	2.42	1.12	1.74	5.15	2.10	1.53	1.28	1.23	1.79	27.23
66		2.68	4.24	1.27	3.00	4.26	1.61	2.92	1.55	8.58	4.91	2.18	3.38	40.30
67		1.26	2.44	5.08	2.59	4.01	2.23	5.80	9.23	2.69	1.83	1.90	6.58	45.64
68		3.24	.73*	5.57	1.78	5.83	5.95	5.38	2.10	.99	2.65	5.75	2.92	42.89
69		2.31	1.86	2.87	2.57	2.12	4.86	8.41	2.29	4.25	2.11	3.03	7.58	44.26
70		1.81	3.01	4.56	6.25	3.12	5.19	3.48	5.12	1.46	1.87	4.48	2.42	42.77
71		2.21	4.94	3.12	2.37	4.25*	2.35	3.74	15.01	5.71	3.83	5.13*	2.20	45.86
72		3.11	4.77	3.17	3.09	5.75	5.57	3.09	2.56	2.62	6.85	8.83	5.22	54.63
MEAN														
S D														
TOTAL OBS														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

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FROM DAILY OBSERVATIONS.

42-46, 48-82

[illegible]

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

724096 MCGUIRE AFB NJ

46, 48-82

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	71.1	16.7	3.7	3.0	2.9	.9	.6	.6	.5	.1				12.3	1085	6.7	18.4	TRACE
FEB	72.3	15.4	4.0	4.2	1.1	1.5	.8	.3	.2	.1	.1			12.3	987	6.0	27.2	TRACE
MAR	80.4	11.7	2.6	2.4	1.3	.3	.3	.6	.4		.1			7.9	1084	4.6	26.8	.0
APR	95.8	3.4	.2	.3		.1	.1	.1						.8	1020	.5	9.4	.0
MAY	99.9	.1													1054	TRACE	TRACE	.0
JUN	100.0														1019	.0	.0	.0
JUL	100.0														1054	.0	.0	.0
AUG	100.0														1076	.0	.0	.0
SEP	100.0														1050	.0	.0	.0
OCT	99.1	.8		.1										.1	1085	TRACE	1.0	.0
NOV	93.5	5.7	.2	.1	.1	.1		.1	.2					.8	1045	.8	8.6	.0
DEC	79.2	14.1	2.6	1.8	.6	.5	.3	.6	.4					6.6	1084	3.7	14.4	.0
ANNUAL	90.9	5.7	1.1	1.0	.5	.3	.2	.2	.1	.0	.0			3.4	12643	22.3		

USAFETAC FORM 0-13.5 (OLA)
OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

FROM DAILY OBSERVATIONS

724796
STATION

MCGUIRE AFB NJ
STATION NAME

46. 98-82

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	1.0	1.7	.3										
48							*	.2	.3	.0	.3	6.7	
49	5.5	5.7	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7
50	.2	.1	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.4
51	.6	1.4	.5	.0	.0	.0	.0	.0	.3	.0	TRACE	4.4	4.4
52	1.8	TRACE	7.2	.0	.0	.0	.0	.0	.0	TRACE	2.0	1.0	7.2
53	3.6	TRACE	6.8	TRACE	.0	.0	.0	.0	.3	.0	6.7	TRACE	6.8
54	6.4	TRACE	TRACE	TRACE	.0	.0	.0	.2	.2	.0	TRACE	TRACE	6.4
55	2.0	4.4	2.3	TRACE	.0	.0	.0	.3	.3	.0	3.0	1.0	4.4
56	3.0	1.0	6.3	1.2	.0	.0	.0	.3	.0	.0	.0	TRACE	6.3
57	1.7	2.0	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	5.0	5.0
58	2.2	9.7	20.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.9	20.1
59	2.8	TRACE	.3	.2	.0	.0	.0	.0	.0	.0	.3	5.5	5.5
60	1.3	1.6	2.4	TRACE	.0	.0	.0	.0	.0	.0	.0	6.7	6.7
61	8.9	3.7	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	8.9
62	.4	3.7	7.9	TRACE	.0	.0	.0	.0	.0	1.0	TRACE	2.1	7.9
63	3.5	.9	.3	TRACE	TRACE	.0	.3	.3	.3	.0	TRACE	4.8	4.8
64	6.8	4.4	2.5	TRACE	.0	.0	.0	.0	.3	.0	TRACE	TRACE	6.8
65	14.5	.9	4.2	2.9	.0	.0	.0	.0	.0	.0	TRACE	TRACE	14.5
66	8.1	4.2	.2	.0	.0	.0	.0	.0	.3	.0	TRACE	7.1	8.1
67	TRACE	9.6	3.0	.2	.0	.0	.3	.0	.3	.0	8.6	3.3	9.6
68	.3	3.0*	4.0	.0	.0	.0	.0	.0	.0	.0	.8	8.0	9.0
69	1.5	6.0	6.8	.0	.0	.0	.0	.0	.0	.0	TRACE	2.2	6.8
70	4.6	2.0	1.6	.0	.0	.0	.0	.0	.0	.0	.0	2.1	4.6
71	4.6	.5	1.1	5.8	.0*	.0	.0	.0	.0	.0	TRACE*	.2	5.8
72	3.1	3.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	3.1
73	TRACE*	.6	TRACE	TRACE	.0	.0	.0	.0	.3	.0*	.0	.6	.6
74	4.5	.8	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	4.5
75	4.6	2.7	1.7	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.3	4.6
76	2.0	2.5	4.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.0	4.8
MEAN													
S.D.													
TOTAL OBS.													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-68-5 (OLA)

2

(FROM DAILY OBSERVATIONS)

46, 48-82 YEARS

[illegible]

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

724096 HCGUIRE AFB NJ
STATION STATION NAME

96 98-82
YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
46	1.1	1.7	.0										
48							*	.0	.0	.0	.0	7.2	
49	6.2	6.0	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	12.8
50	.2	.1	.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.7
51	1.1	1.8	.5	.0	.0	.0	.0	.0	.0	.0	TRACE	4.4	7.8
52	3.6	TRACE	7.5	.0	.0	.0	.0	.0	.0	TRACE	2.0	1.0	14.1
53	7.9	TRACE	6.8	TRACE	.0	.0	.0	.0	.0	.0	6.7	TRACE	21.4
54	11.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	11.0
55	2.1	6.0	2.3	TRACE	.0	.0	.0	.0	.0	.0	3.0	1.2	14.6
56	7.8	1.3	16.5	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	29.0
57	3.2	2.7	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	9.6	15.5
58	3.1	18.6	26.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.9	50.4
59	5.5	TRACE	.5	.2	.0	.0	.0	.0	.0	.0	.3	11.0	17.5
60	2.5	3.9	8.1	TRACE	.0	.0	.0	.0	.0	.0	.0	13.1	27.6
61	18.4	10.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	35.5
62	1.1	9.5	10.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.7	25.8
63	5.3	1.9	.5	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	7.7	15.4
64	6.8	13.3	5.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	25.2
65	18.4	2.4	8.9	2.9	.0	.0	.0	.0	.0	TRACE	TRACE	.0	32.6
66	18.4	11.4	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	14.4	44.4
67	TRACE	22.4	9.6	.2	.0	.0	.0	.0	.0	.0	8.6	5.3	46.1
68	.7	4.1*	6.4	.0	.0	.0	.0	.0	.0	.0	.8	9.9	20.9
69	3.0	10.4	15.0	.0	.0	.0	.0	.0	.0	.0	TRACE	3.6	32.0
70	13.4	3.7	2.7	.0	.0	.0	.0	.0	.0	.0	.0	2.9	22.7
71	8.7	.7	3.0	9.4	.0*	.0	.0	.0	.0	.0	TRACE*	.2	22.0
72	4.0	9.2	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	13.2
73	TRACE*	.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0*	.0	.8	1.4
74	5.6	2.2	.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.9
75	5.8	6.6	2.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	17.6
76	5.4	4.6	5.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	2.6	17.8
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

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FROM DAILY OBSERVATIONS

YEARS

14.

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USAF ETAC FORM 0-88-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

72496 MCGUIRE AFB NJ

42-46, 48-82

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	67.7	8.8	5.8	5.8	5.2	4.7	2.3	.8						23.5	1170			
FEB	71.8	9.4	6.1	3.6	2.0	3.6	2.3	1.2						16.7	1062			
MAR	86.8	4.2	2.0	1.6	1.1	2.6	1.5	.1						9.0	1171			
APR	99.9	.5	.3	.1	.1	.1								.5	1109			
MAY	100.0														1147			
JUN	100.0														1096			
JUL	100.0														1147			
AUG	100.0														1169			
SEP	100.0														1170			
OCT	99.9		.1											.1	1209			
NOV	99.2	.5	.2	.1										.3	1166			
DEC	82.5	6.1	3.4	2.0	1.9	2.4	1.4							11.3	1191			
ANNUAL	92.2	2.5	1.6	1.1	.7	1.1	.6	.2						5.3	13807			

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOW DEPTH

(FROM DAILY OBSERVATIONS)

724796 STATION MCGUIRE AFB NJ STATION NAME

42-46, 48-82 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR	MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
42										0	0	0*	2	
43	*	5*	2*	1	0	0	0	0	0	0	0	0	0	* 5
44	*	2*	2*	5*	0	0	0	0	0	0	0	0*	1	* 5
45	*	6*	5	0	0	0	0	0	0	0	0	0*	7	* 7
46		TRACE	TRACE	0										
48								*	0	0	0	0	6	
49		3	10	6	0	0	0	0	0	0	0	0	TRACE	10
50		1	1	TRACE	TRACE	0	0	0	0	0	0	0	TRACE	1
51		TRACE	TRACE	TRACE	0	0	0	0	0	0	0	0	2	2
52		1	TRACE	9	0	0	0	0	0	0	0	2	TRACE	9
53		4	0	6	0	0	0	0	0	0	0	1	0	6
54		10	TRACE	0	0	0	0	0	0	0	0	0	0	10
55		1	4	1	0	0	0	0	0	0	0	TRACE	1	4
56		5	1	11	1	0*	0	0	0	0	0	0	0	11
57		2	2	TRACE	0	0	0	0	0	0	0	0	6	6
58		2	16	14	TRACE	0	0	0	0	0	0	0	1	16
59		5	TRACE	TRACE	TRACE	0	0	0	0	0	0	TRACE	5	5
60		1	1	8	0	0	0	0	0	0	0	0	10	10
61		16	11	0	0	0	0	0	0	0	0	0	5	16
62		TRACE	4	8	0	0	0	0	0	0	1	0	TRACE	8
63		3	3	TRACE	0	0	0	0	0	0	0*	0	5	5
64		7	7	4	0	0	0	0	0	0	0	0	2	7
65		10	1	4	3	0	0	0	0	0	0	0	0	10
66		13	14	0	0	0	0	0	0	0	0	0	11	14
67		1	13	3	0	0	0	0	0	0	0	0	8	13
68		3	1	4	0	0	0	0	0	0	0	0	8	8
69		3	6	10	0	0	0	0	0	0	0	0	1	10
70		7	2	2	0	0	0	0	0	0	0	0	1	7
71		3	TRACE	1	4	0	0	0	0	0	0	0	TRACE	4
72		4	3	TRACE	TRACE	0	0	0	0	0	0	TRACE	TRACE	4
MEAN														
S.D.														
TOTAL OBS.														

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

21

SNO. DEPTH

FROM DAILY OBSERVATIONS

42-46, 49-82

YEARS

DAILY SNOW DEPTH IN INCHES

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

724396 STATION MCGUIRE AFB NJ STATION NAME

46. 48-82 YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
46	SW 47NW	45NW	43										
48							NE 42		NNE 33S	36NW	37		
49	NNW 35NW	35W	39WSW	44W	*32SE	27WSW	32SE	41NW	*30SSW*30NW	35NW	31	WSW 44	
50	NNW 43NW	44S	47S	35S	*33SW	35SSW*53S	25NNW*26ESE	*25ESE	73ESE	39	ESE 73		
51	SW 49W	42ENE*48	W	*32NW	*28NW	43SW	32SSE	29NW	42ESE	49NW	49		
52	SE 42NW	48SSE	54SE	33NW	42NNW	38NW	38SSW	87SSE	41NNW	39ESE	45SSE	34	SSW 87
53	S	49NW	42NW	45WNW	42WSW	36W	34NW	42SSW	40SSE	35NW	31NW	40SW	42 S 49
54	NNW 37SE	43ESE	38W	29W	30NW	30SSW*35W	*34NW	*35	WSW 43SSE	36			
55	W	41SSW	43WSW	50E	39WSW	30			W	37NW	32		
56	NE 43W	*50ENE	*36NNW*38NNW	*35NNW*26WSW	*31N	30ENE	35NNW	29NW	41NNW	37	W	*50	
57	SW	*40NNW*33NW	*39NNW*40WSW	*26WSW*35SW	*30NNE	*21WSW*27NW	*32SSW	41NNE	*40	SSW 41			
58	ENE*45ENE	48NW	*32SW	*32NNW*32NNW	39W	*29W	*33W	26NW	*29S	*42W	35	EVE 48	
59	W	43NW	36WNW	40WNW	31NW	26NW	36W	29NE	22N	21NW	27NW	37SW	38 W 43
60	S	38W	44W	34W	35NNW	30WSW	34NW	33NNE	36NW	56W	33W	32NE	42 NW 56
61	N	34ENE	36E	38E	50NW	32W	71NW	26NW	*22NNW*39NNW	*28NW	*36W	37	W 71
62	S	33W	31NE	46W	40W	30SW	30W	33N	30SSW	25SSW	30NE	*40NNW	51 NW 51
63	NNW*38NW	32W	*34NNW*49NNW	*45NW	*26NW	*27NNW*39NW	29NNW	*25WSW	*34W	*33	NNW*49		
64	NNE	39NNW*35NNW	*45NW	*48NNW*32MSW	*42ESE	*25NNW*25NNE	*25NW	*31NNW	38NW	42	NNW 48		
65	N	40SW	39NW	33W	41NNW	36NNW	40WSW	26W	30NW	35NW	46W	33	NNW 46
66	W	49W	35NNW	45NW	29W	38NNW	32NW	37NNW	39NNW	30NW	*35SE	35NNE	34 W 49
67	N	43W	48NW	38N	40N	43SW	32ESE	27S	32NNE	32SSE	*35NNW	41NW	32 W 48
68	NW	39NNW	40NW	48NW	37W	31NW	2627*	2821*	5128/	2429*	25 5/	4625/	55 25/ 55
69	29/	3533/	45 4/	3622*	3025*	2328/	2729/	3134/	2133/	2528/	3128/	3329/	40 33/ 45
70	28/	2930/	3618/	3827/	5631/	2826/	4225/	2133/	2829/	3335/	3032/	3130/	43 27/ 56
71	26/	4319/	3627/	46 2/	3931/	3526/	2932/	2330/	3935/	23 6/	26 2/	4230/	30 27/ 46
72	27/	46 7/	4021/	3426/	2529/	2627/	2832/	2514/	2435/	27 1/	2814/	2829/	35 27/ 46
73	31/	3219/	3326/	3629/	3028/	2930/	2832/	3232/	5124/	4012/	2827/	4731/	34 32/ 51
74	33/	3821/	4335/	4128/	3627/	46 7/	3233/	68 8/	4133/	6632/	2530/	38 5/	53 33/ 68
75	25/	4325/	3732/	4027/	53 5/	2731/	2727/	4433/	2231/	2628/	2624/	2832/	34 27/ 53
76	27/	4331/	5130/	5029/	3334/	5220/	3130/	2734/	4624/	2918*	7631/	3128/	44 18* 76
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 48-82 (OLA)

5 (BASED ON LESS THAN FULL MONTHS AND *100 KNOTS)

2

SURFACE WINDS

FROM DAILY OBSERVATIONS

46. 48-82 YEARS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 124096 STATION NAME MCGUIRE AFB NJ YEARS 73-82 JAN
BOATS
ALL WEATHER
CLASS
CONDITION
0000-2200
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.4	1.9	1.1	.1							8.3	6.2
NNE	.2	.8	1.2	.3								2.5	7.3
NE	.6	.9	.8	1.0	.2							3.4	8.1
ENE	.5	.6	.4	.1								1.8	4.9
E	.6	.4	.6	.1								1.9	5.0
ESE	.4	.2	.6									1.3	5.5
SE	.2	.2	.2									.6	5.3
SSE	.4	.3	.1									.9	3.6
S	1.4	1.1	1.0	.6								4.1	6.0
SSW	1.7	1.6	.9	.4	.1							4.7	5.7
SW	1.6	1.3	.9	.1								3.9	4.6
WSW	1.3	2.3	1.1	.3	.1							5.1	5.9
W	1.7	3.7	3.9	4.8	1.3	.5						15.9	9.6
WNW	.2	2.7	3.9	5.1	.9	.6						13.3	11.1
NW	.6	1.7	1.9	3.0	.9	.1						8.3	10.2
NNW	1.1	2.2	1.9	.9	.1							6.1	6.9
VARBL													
CALM												17.8	
	14.7	23.3	21.3	17.8	3.7	1.3						120.2	6.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 MCGUIRE AFB NJ 73-82 JAN
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION
0300-0500
HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.4	2.7	1.5								10.2	6.4
NNE	.6	.6	.3	.3	.1							2.0	6.5
NE	.6	.5	.8	.4	.1	.1						2.6	7.9
ENE	.6	1.1	.1	.1	.1							2.0	5.4
E	.8	.6	.5	.1								2.0	4.8
ESE	1.1	.1	.4	.4								2.0	5.9
SE	.3	.1	.2		.1							.8	6.1
SSE	.7	.1	.2	.1								.8	5.9
S	1.4	1.0	.5	.8	.2							3.9	6.6
SSW	1.5	.5	1.2	.2								3.4	5.4
SW	1.6	2.0	1.0	.6								5.3	5.6
WSW	1.0	1.8	.8	.3	.4							4.3	6.9
W	1.6	3.7	5.2	2.9	1.3	1.0	.1					15.7	9.8
WNW	.9	1.7	4.0	3.9	1.1	.4						11.9	10.6
NW	.4	1.9	2.4	2.4	.9							8.2	10.0
NNW	1.1	1.9	1.3	1.2	.1							5.6	7.1
VARBL													
CALM												19.7	
	16.2	21.3	21.5	15.3	4.4	1.5	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MC GUIRE AFB NJ 73-82 JAN
STATION STATION NAME YEARS MONTHS
ALL WEATHER CLASS 0600-0800
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	2.2	1.1								7.2	6.7
NNE	.4	1.5	1.4	.2	.1							3.7	7.0
NE	1.0	1.1	.8	.1	.1							3.0	5.7
ENE	.2	.5	.3	.1	.2							1.4	8.6
E	.9	.4	.6	.3								2.3	6.2
ESE	.4	.6	.1									1.2	4.3
SE	.3		.5									.9	6.4
SSE	.3	.4	.3	.2								1.3	6.3
S	2.0	1.7	1.1									4.8	4.3
SSW	1.3	.8	.9	.2	.2							3.3	6.3
SW	1.4	1.3	.6	.2								3.5	5.1
WSW	1.0	1.6	.6	.5	.4	.1						4.3	7.8
W	1.0	4.6	5.8	4.3	1.7	.4						17.8	9.5
WNW	1.4	2.7	3.9	3.5	1.3	.1						12.9	9.6
NW	.9	3.0	2.9	2.6	.3	.1						9.8	8.6
NNW	1.9	1.9	2.0	1.0								6.9	6.2
VARBL													
CALM												15.7	
	15.9	24.7	24.1	14.4	4.4	.8						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724 96 MCGUIRE AFB NJ 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	2.5	1.6	.1							7.6	7.5
NNE	.4	2.3	1.1	.6								4.4	7.0
NE	.8	1.5	2.2	.1								4.5	6.1
ENE	.8	.6	.8	.2	.3							2.7	7.4
E	1.2	1.2	.1	.3								2.9	4.4
ESE	.4	.4	.3	.2								1.4	6.2
SE	.8	.2	.6									1.6	4.5
SSE	.6	1.1	.4	.1								2.3	5.1
S	1.3	1.0	1.8	.2								4.3	6.1
SSW	.8	.8	1.5	.3	.1							3.4	7.4
SW	.9	1.5	1.4	.5			.1					4.4	7.3
WSW	.4	.6	1.9	.6	.6	.3						4.6	10.6
W	.6	2.2	3.2	6.0	1.7	.5	.2					14.5	11.9
WNW	1.0	1.9	5.2	7.3	2.6	.5						18.5	11.7
NW	.8	1.7	3.5	4.4	.6	.1						11.2	10.1
NNW	.9	1.0	1.5	2.3	.1	.3						6.0	10.1
VARBL													
CALM												5.7	
	12.6	20.3	28.1	24.9	6.2	1.8	.3					120.2	8.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724096 MC GUIRE AFB NJ 73-82 73-82 73-82 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

1200-1400
MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.0	1.3	.9	.4							6.0	7.1
NNE	1.0	1.4	1.1	.5	.2							4.2	6.8
NE	.5	.9	.4									1.8	5.2
ENE	.6	1.2	1.1	.1	.2							3.2	6.9
E	1.0	1.2	1.2	.3	.1							3.8	6.3
ESE	.6	.5	.2									1.4	4.2
SE	.4	.8	.5									1.7	5.2
SSE	.1	.6	.9									1.6	6.5
S	.8	1.3	1.6	.9	.3							4.8	8.0
SSW	.2	.5	1.5	.4								2.7	8.0
SW	.3	.9	1.4	1.5	.2							4.3	9.4
WSW	.4	.8	2.6	1.4	.8	.3	.1					6.3	10.8
W	.3	1.6	4.1	4.6	1.9	1.3						13.9	12.4
WNW	.6	1.6	3.7	8.1	4.4	.9						19.4	13.0
NW	.5	1.5	3.9	5.8	1.9	.4						14.1	11.8
NNW	.6	1.4	2.0	3.7		.1	.1					6.2	10.3
VARBL													
CALM												2.8	
	9.7	18.2	27.4	28.2	10.5	3.0	.2					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 MC GUIRE AFB NJ 73-82 JAN
STATION NAME STATION NAME YEAR MONTH
ALL WEATHER 1500-1700
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.4	1.8	1.1	.3							7.4	6.7
NNE	.4	1.2	.8	.1								2.5	5.5
NE	.6	.9	.9	.3								2.7	6.5
ENE	.9	.6	.4	.4	.2							2.6	7.1
E	1.0	1.5	.5	.3	.1							3.4	5.7
ESE	.2	.3	.1		.1							1.2	5.5
SE	.1	.4	.2	.1								.9	6.6
SSE	.5	.5	.5									1.6	5.1
S	.8	1.4	1.6	.6	.1							4.5	7.2
SSW	1.1	1.1	1.0	.2								3.3	5.7
SW	.5	2.2	1.8	1.0		.1	.1					5.7	7.9
WSW	.5	1.6	1.8	1.3	.6	.1						6.0	9.5
W	1.0	3.1	4.6	5.5	1.9	1.0	.1					17.2	11.0
WNW	1.1	2.6	5.9	5.8	2.0	.5						18.0	10.9
NW	.5	1.4	4.8	4.1	.8	.2						11.8	10.6
NNW	.9	1.3	1.6	1.2	.5	.1	.2					5.8	9.8
VARBL													
CALM												5.4	
	11.9	22.9	28.5	22.0	6.8	2.0	.4					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

724796 STATION 724796 MCGUIRE AFB NJ STATION NAME 73-82 YEARS 1800-2000
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.4	1.6	.8								4.7	6.6
NNE	.2	.8	1.0	.2								2.2	7.4
NE	1.3	1.2	.4	.5								3.4	5.7
ENE	.9	1.4	.2	.2								2.7	4.7
E	.6	1.1	.2	.3								2.3	5.6
ESE	.9	.4		.1								1.4	3.3
SE	.6	.1		.1								.9	3.5
SSE	1.1	.5	.2	.2								2.0	4.4
S	2.4	1.1	1.5	.3	.1							5.4	5.2
SSW	1.8	1.2	1.0	.3	.2							4.5	5.8
SW	1.8	2.0	.5	.9	.2							5.5	5.9
WSW	1.4	2.5	1.8	.9	.3							6.9	7.0
W	3.4	4.6	5.2	2.7	1.6	1.0	.2					18.7	9.1
WNW	2.3	2.4	3.4	3.3	1.5	.3						13.2	9.5
NW	1.1	1.3	2.4	2.5	.2	.1						7.5	9.4
NNW	.5	1.1	2.3	2.0	.3							6.2	9.8
VARBL													
CALM												12.5	
	21.3	23.0	21.7	15.4	4.5	1.4	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MCGUIRE AFB NJ 73-82 JAN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2300
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	2.2	.2								5.7	6.3
NNE	.3	1.1	.6	.4	.1							2.6	7.3
NE	.6	.8	.8	.4	.1							2.7	6.6
ENE	.8	1.2	.3	.2								2.5	5.1
E	.3	1.0	.8	.1								2.2	5.7
ESE	.3	.1	.2									.6	4.7
SE	1.1	.3										1.4	2.8
SSE	.8	.2	.3									1.3	4.1
S	2.6	1.1	1.0	.5								5.2	4.9
SSW	2.2	1.7	.3	.3	.1							4.6	4.7
SW	1.4	1.9	.9	.3								4.5	5.3
WSW	1.6	1.7	2.2	.5	.4							6.5	6.7
W	1.8	3.2	4.0	4.3	1.5	.2	.1					15.2	9.8
WNW	1.1	2.6	3.9	4.0	1.8	.5	.2					14.1	11.2
NW	1.5	1.8	2.4	2.3	.8	.1						8.8	9.2
NNW	.9	1.6	2.3	2.6	.4							7.7	9.3
VARBL													
CALM												14.5	
	18.3	22.6	21.9	16.2	5.3	.9	.3					120.3	6.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS JAN 1974
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.5	2.0	1.0	.1							7.1	6.7
NNE	.5	1.2	.9	.3	.1							3.2	6.9
NE	.8	1.0	.9	.4	.1	.2						3.2	6.5
ENE	.7	.9	.5	.2	.1							2.1	6.2
E	.8	.9	.6	.2	.0							2.6	5.5
ESE	.6	.4	.3	.1	.2							1.3	5.0
SE	.5	.3	.3	.0	.0							1.1	4.9
SSE	.5	.5	.4	.1								1.5	5.1
S	1.6	1.2	1.3	.5	.1							4.6	6.0
SSW	1.3	1.0	1.0	.3	.1							3.8	6.0
SW	1.2	1.6	1.1	.6	.1	.2	.0					4.6	6.5
WSW	1.0	1.6	1.6	.7	.5	.1	.2					5.5	8.2
W	1.4	3.3	4.5	4.4	1.6	.7	.1					16.1	12.3
WNW	1.1	2.3	4.2	5.1	1.9	.5	.2					15.2	11.1
NW	.8	1.8	3.0	3.4	.8	.1						9.9	10.1
NNW	1.0	1.5	1.9	1.8	.2	.1	.0					6.5	8.7
VARBL													
CALM												11.8	
	15.1	22.0	24.3	19.3	5.7	1.6	.2					100.3	7.5

TOTAL NUMBER OF OBSERVATIONS 7480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

724796 MCGUIRE AFB NJ 73-82 FEB 88
STATION STATION NAME YEAR
ALL WEATHER CLASS 0000-0200
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 54	%	MEAN WIND SPEED
N	2.0	3.4	3.3	1.4	.1							10.3	6.9
NNE	.1	.7	1.1	.6								2.5	8.5
NE	.7	2.1	.7	.2								3.8	5.4
ENE	.5	.5	.7	.9								2.6	8.5
E	1.4	1.8	.8									4.0	4.8
ESE	.8	.4	.1									1.3	3.0
SE	.6	.5	.2	.1								1.4	4.4
SSE	.7	.6	.2									1.5	4.5
S	1.8	1.8	.6	.4	.2							4.7	5.5
SSW	1.9	.9	1.1	.2								4.1	5.0
SW	1.8	2.2	.5	.2	.1	.1						5.0	5.4
WSW	1.1	1.9	.5	.8	.1	.1						4.5	6.9
W	2.7	2.4	2.2	1.3	.1							8.7	6.2
WNW	1.2	2.7	3.4	2.4	1.1	.6						11.2	9.7
NW	.8	2.1	3.9	3.7	.5							11.0	9.5
NNW	.1	1.2	1.8	2.2	.1							5.4	9.8
VARBL													
CALM												17.7	
	18.2	25.2	21.2	14.5	2.4	.8						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724596 STATION MCGUIRE AFB NJ 73-82 YEARS 668 MONTHS
ALL WEATHER CLASS 0300-0500 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.1	3.0	2.4	.1							9.6	7.9
NNE	.2	1.7	1.9	.4								4.1	7.2
NE	.4	1.4	1.3	.5		.1						4.1	6.9
ENE	.5	1.2	.5	.7								3.2	6.5
E	.5	1.3	.7	.4								3.2	5.9
ESE	.5	.4	.1									.9	4.3
SE	.2	.1	.1	.1								.6	5.6
SSE	.6	.5		.1								1.2	4.3
S	1.9	2.5	.6	.2	.2	.1						5.6	5.8
SSW	.7	1.5	.7	.4	.1							3.4	6.5
SW	2.1	2.2	1.4	.1	.1	.1						6.1	5.6
WSW	1.1	1.8	1.2	.7		.1						4.8	7.2
W	2.4	3.5	1.4	1.7								9.2	6.1
WNW	.8	3.0	3.5	2.1	.7	.1						10.3	9.0
NW	.5	1.7	3.1	2.6	.9	.2	.1	.1				9.2	11.1
NNW	1.3	1.4	2.5	1.5	.1	.1						7.2	8.2
VARBL													
CALM												17.8	
	15.6	27.2	22.0	13.8	2.4	.9	.1	.1				122.7	6.2

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724.96 STATION MCQUEEN AFB TX STATION NAME 73-82 YEARS 0630-0800 PERIOD (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.7	2.6	2.0	.1							8.5	8.0
NNE	.4	1.2	1.2	.8	.2	.1						3.9	8.6
NE	.7	.9	1.1	.2								3.0	6.1
ENE	.5	1.7	.8	.5	.1							3.5	6.7
E	.6	1.7	.9	.2								5.4	5.9
ESE	.5	.4	.1	.1								1.1	5.0
SE	.5	.1	.1									.7	3.7
SSE	.6	.7	.4	.1								1.8	5.0
S	2.5	2.1	.2	.1	.4	.4						5.7	6.0
SSW	1.5	1.9	.6	.5			.1					4.6	6.0
SW	1.4	1.1	1.5	.1		.1						4.3	5.8
WSW	1.7	2.0	1.7	.4	.1							5.8	5.9
W	1.5	4.4	2.2	2.1	.4							10.6	7.2
WNW	.4	3.3	3.3	3.3	.8	.6	.1	.1				11.9	10.6
NW	.4	3.0	3.4	1.9	.4							9.0	8.5
NNW	.9	1.3	1.3	1.9	.5							5.9	9.2
VARBL													
CALM												16.3	
	15.0	28.4	21.5	14.3	3.0	1.2	.2	.1				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MC GUIRE AFB NJ 73-82 YEARS FEB
STATION NAME ALL WEATHER CLASS 0900-1100
CONDITION HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	2.0	3.8	1.1	.2						9.8	10.7
NNE	.5	1.2	2.4	.7		.1						8.9	7.8
NE	.5	1.2	1.3	1.1								8.3	7.6
ENE	.9	1.7	1.1	.5								8.1	6.3
E	.8	1.1	1.5	.4								3.8	6.4
ESE	.4	.5	.1									.9	4.3
SE	.2	.7	.2	.1								1.3	5.4
SSE	.5	.5	.7	.2								1.9	6.4
S	.4	1.3	1.2	.5	.1							3.4	8.3
SSW	.1	2.2	2.6	.4	.1							4.9	7.3
SW	.7	.9	1.3	.7		.2						3.9	8.0
WSW	.4	1.8	2.0	2.0	.4	.2						6.7	9.8
W	.9	2.0	2.4	3.6	.8	.4	.1	.1				10.3	10.5
WNW	.7	1.7	3.6	5.8	1.9	.5	.1					14.2	12.2
NW	.4	2.6	2.8	5.4	.4	.1						11.7	10.2
NNW	.8	1.5	2.1	2.7	1.3	.6						9.1	11.3
VARBL													
CALM												5.0	
	9.2	22.5	26.7	27.8	6.0	2.8	.2	.1				100.3	9.1

TOTAL NUMBER OF OBSERVATIONS 645

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION 73-82 YEARS FEB MONTHS
MC GUIRE AFB NJ STATION NAME ALL WEATHER CLASS 1200-1800 HOURS (L & T)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.2	3.3	2.6	.8	.1						10.0	9.6
NNE	.1	1.8	1.1	.9	.1							4.0	8.4
NE		.5	.9	1.1								2.5	9.6
ENE	.1	.2	1.2	.7								2.2	9.1
E	.4	1.7	1.3	.4								3.7	6.5
ESE	.2	.2	.5	.1								1.1	6.8
SE	.4	.1	.4	.1								.9	6.1
SSE	.4	.8	.4	.4								1.9	6.9
S	.2	1.2	1.2	1.2	.1							3.9	9.0
SSW	.2	.6	1.7	.4								2.8	8.3
SW	.1	.9	1.8	1.2	.1	.1						4.3	9.5
WSW	.4	1.2	3.4	2.4	.5	.6						8.4	10.9
W	1.3	3.1	3.7	3.7	.9	.6	.1					13.4	9.9
WNW	.8	1.8	3.7	8.0	3.1	.4	.2					18.0	12.5
NW	.6	1.5	4.1	4.8	1.5	.4	.1					13.1	11.7
NNW	.5	1.9	1.8	2.2	.7	.4						7.4	10.5
VARBL													
CALM												2.4	
	6.6	19.7	30.3	30.1	7.9	2.5	.5					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION HCGUIRE AFB NJ 73-82 YEARS FEB 1978
CLASS ALL WEATHER
HOURS 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.5	2.8	1.2	.1	.1						7.2	8.3
NNE	.4	.9	1.1	.6								3.7	7.3
NE	.4	.8	.7	.5								2.4	7.4
ENE	.4	1.1	.4	.8	.1							2.7	8.1
E	.1	1.7	1.1	.5								3.3	7.0
ESE	.1	1.2		.4								1.7	6.1
SE	.4	.6	.4	.4								1.7	7.3
SSE	.1	.5	.5	.5								1.5	8.1
S	.2	.9	1.4	.9								3.5	8.3
SSW		.7	1.7	.5								2.8	8.6
SW	.7	1.7	1.9	.7	.2							5.2	7.6
WSW	.5	1.3	3.1	1.7	.2	.1						6.9	9.2
W	1.5	3.3	5.0	3.7	1.9	.4	.1					15.8	9.9
WNW	.6	2.0	5.3	7.4	1.7	.5	.1					17.6	11.6
NW	1.1	1.5	3.5	4.4	.8	.2						11.6	10.3
NNW	.6	2.1	2.7	3.4	.7	.2	.1					9.9	10.3
VARBL													
CALM												3.2	
	7.4	22.8	31.4	27.4	5.8	1.5	.4					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

724396
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.9	.8	1.2								4.4	6.8
NNE	.2	.7	.9	.7								2.6	8.1
NE	.4	1.8	1.5	.1								3.8	6.3
ENE	.2	1.2	.8	.4	.1							2.7	7.6
E	.9	2.0	1.1	.1	.1							4.3	5.5
ESE	.8	.9	.2									2.2	3.9
SE	.7	.7	.2	.2								1.9	5.3
SSE	.8	.7	.8	.1								2.5	5.5
S	3.0	2.8	1.2	.4								7.3	4.7
SSW	1.4	.6	1.3	.2								3.5	5.8
SW	2.0	2.1	1.5	.2								5.9	5.3
WSW	1.2	2.5	1.4	.5								5.6	5.7
W	2.1	4.5	2.7	2.2	.5	.4						12.4	7.9
WNW	.7	4.6	3.9	2.2	.7	.1	.1					12.4	8.7
NW	.8	2.8	3.3	1.5	.1	.6						9.2	8.8
NNW	.4	1.3	2.7	3.0	.8	.1						8.3	10.6
VARBL													
CALM												11.2	
	17.1	30.3	24.6	13.1	2.4	1.2	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724396 STATION 724396 MCGUIRE AFB NJ STATION NAME 73-82 YEARS FEB 82
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.5	1.8	.8	.1							6.3	6.7
NNE	.1	1.3	1.5	1.1								4.7	8.6
NE	.5	2.0	.7	.1								3.3	5.7
ENE	.6	.7	.6	.7	.1							2.7	7.5
E	.7	1.3	.6	.1								2.7	5.3
ESE	.5	.1	.2										3.9
SE	.5	.1	.2	.1								.9	5.1
SSE	.7	1.3	.5	.1								2.6	4.8
S	3.4	2.2	1.3	.1								7.1	4.4
SSW	1.5	2.0	.8	.1								4.5	4.8
SW	2.4	2.1	.9	.4								5.8	4.9
WSW	1.7	1.4	1.2	.4	.1							4.7	5.8
W	2.6	2.5	2.6	1.8	.1		.1					9.7	7.1
WNW	1.5	2.4	3.0	2.1	.8	.5						10.3	9.3
NW	1.7	3.0	2.6	2.5	.7	.2						10.6	8.6
NNW	.7	1.3	3.0	3.4	.4	.1						8.9	10.0
VARBL													
CALM												15.0	
	20.1	26.2	21.5	13.8	2.4	.8	.1					120.0	6.0

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724396 STATION MCGUIRE AFB YJ 73-82 YEARS FEB NORTH
ALL WEATHER CLASS ALL MONTH (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	2.5	1.9	.3	.1						8.3	6.3
NNE	.3	1.2	1.4	.7	.0	.0						3.6	8.1
NE	.5	1.3	1.0	.5		.0						3.4	6.8
ENE	.5	1.0	.8	.7	.1							3.0	7.4
E	.7	1.6	1.0	.3	.0							3.5	5.9
ESE	.5	.5	.2	.1								1.2	4.6
SE	.4	.4	.2	.1								1.2	5.5
SSE	.5	.7	.4	.2								1.9	5.7
S	1.7	1.9	1.0	.5	.1	.1						5.2	6.0
SSW	.9	1.3	1.2	.3	.0		.0					3.8	6.3
SW	1.4	1.7	1.4	.5	.1	.1						5.1	6.4
WSW	1.0	1.7	1.8	1.1	.2	.1						5.9	8.0
W	1.9	3.2	2.8	2.5	.6	.2	.1	.0				11.2	8.3
WNW	.5	2.7	3.7	4.2	1.3	.4	.1	.0				13.3	10.7
NW	.8	2.3	3.4	3.4	.7	.2	.0	.0				10.7	9.9
NNW	.7	1.5	2.2	2.6	.6	.2	.0					7.7	10.1
VARBL													
CALM												11.1	
	13.7	25.3	24.9	19.4	4.0	1.4	.2	.0				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 6767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION 73-82
MCGUIRE AFB NJ STATION NAME YEARS
ALL WEATHER CLASS
0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.8	2.5	1.0								7.8	6.5
NNE	.4	.6	.1	.5	.1							1.8	7.5
NE	1.9	.5	.6	.2	.2							3.5	5.5
ENE	1.0	1.0	1.1	.3								3.3	5.8
E	1.3	1.2	1.0	.2								3.7	4.9
ESE	1.2	.1	.2	.1								1.6	3.7
SE	.8	.5	.2									1.5	3.6
SSE	.9	.9	.1									1.8	3.5
S	3.0	3.3	1.4	.1								7.8	4.5
SSW	2.3	2.0	1.9	.4								6.7	5.5
SW	1.6	2.3	1.1									4.9	4.6
WSW	.6	1.5	1.1	.1	.2	.1						3.7	6.9
W	1.2	1.6	2.4	.6	.5	.1						6.5	7.9
WNW	.3	2.7	2.8	3.7	1.4	.3	.1					11.3	10.8
NW	1.0	2.7	2.4	3.0	.6	.3						10.0	9.8
NNW	.8	2.4	2.0	1.0	.5	.1						6.8	8.4
VARBL													
CALM												17.2	
	19.8	26.1	20.9	11.3	3.7	1.0	.1					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.4	1.2	1.3	.2							6.5	7.1
NNE	1.1	1.1	.3	.3								2.8	5.0
NE	1.4	1.3	.6	.2								3.5	4.9
ENE	1.5	1.4	1.0	1.0								4.8	6.0
E	1.3	1.2	.6	.2								3.3	5.0
ESE	.8	.5	.1									1.4	3.2
SE	.6	.6	.1									1.4	3.6
SSE	1.6	.9	.3	.1								2.9	3.9
S	2.3	2.6	1.2	.1								6.1	4.5
SSW	1.7	1.6	1.6	.2								5.2	5.3
SW	1.6	1.5	1.2	.2	.4							4.9	6.2
WSW	.6	1.0	.5	.2	.2							2.6	6.5
W	.8	2.0	2.5	2.0	.5							7.8	8.9
WNW	.4	2.6	3.8	2.5	.4	.2	.1					10.0	9.6
NW	.6	2.6	3.8	3.7	.8	.3						11.7	9.8
NNW	1.1	2.4	1.5	1.6								6.6	7.2
VARS													
CALM												18.4	
	18.8	25.6	20.3	13.7	2.6	.5	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796
STATION

MCGUIRE AFB NJ

STATION NAME

73-82

YEARS

MAP

MOON

ALL WEATHER

CLAS

0630-0800

MOON (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.4	2.9	1.2	.1							8.6	6.7
NNE	.8	1.1	.5	.3	.1							2.8	6.3
NE	1.1	1.7	.8	.3	.1							4.0	5.7
ENE	.8	1.9	1.4	.4								4.5	6.5
E	1.8	2.3	1.8	.1								6.0	5.4
ESE	1.2	.2	.6									2.2	3.9
SE	.6	.4	.9									1.9	5.8
SSE	1.4	1.0	.6	.1								3.1	4.2
S	1.3	1.5	1.0									3.8	4.9
SSW	1.1	1.3	1.6	.6								4.6	6.5
SW	1.2	1.5	1.0	.8	.3							4.7	7.3
WSW	.9	1.4	.7	.1		.2						3.4	6.4
W	1.0	3.4	3.0	2.8	.4	.1						10.8	8.3
WNW	1.0	1.4	3.1	3.1	.9	.1						9.6	10.2
NW	.6	1.5	3.0	3.8	1.1							10.2	10.4
NNW	1.4	1.3	1.9	1.4	.3							6.3	7.7
VARBL													
CALM												13.8	
	18.1	24.3	25.1	15.1	3.3	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS MAP NORTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.7	2.7	2.4	.3	.1						9.4	8.4
NNE	.5	1.1	1.7	.5	.1							4.0	7.7
NE	.8	1.1	1.4	.4								3.7	6.5
ENE	.3	1.6	1.5	1.4								4.8	8.1
E	.6	2.0	2.0	.9								5.6	7.2
ESE	.4	1.0	1.0	.1								3.3	5.9
SE	.5	.9	1.0	.3								2.7	6.8
SSE	.3	.9	1.0	.6								2.8	7.4
S	.4	1.3	1.8	.6								4.2	7.5
SSW	.2	1.4	2.0	.9								4.5	8.1
SW	.4	1.3	2.2	1.1	.3							5.3	8.8
WSW	.4	1.2	2.4	.8	.4							5.2	8.6
W	.4	.6	2.6	4.2	1.2	.2						9.2	11.8
WNW	1.0	1.3	3.1	6.5	1.7	.4						14.0	12.1
NW	.6	1.1	2.8	4.7	2.3	.3						11.8	12.2
NNW	.3	1.1	1.8	3.3	.4							7.0	10.7
VARBL													
CALM												2.6	
	5.6	21.3	31.0	28.7	6.8	1.1						170.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION 73-82 YEARS 1200-1400
MCGUIRE AFB NJ ALL WEATHER CLASS 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	2.5	1.3	.2							6.3	8.2
NNE	.3	.8	.6	1.1								2.8	8.9
NE	.2	.6	1.3	.6								2.8	8.2
ENE	.2	.6	1.8	.9	.2							3.8	9.7
E	.5	2.9	1.7	.6	.3							5.3	7.6
ESE	.3	1.9	1.1	.2								3.5	6.1
SE	.5	1.2	1.3	.1								3.1	6.3
SSE	.6	1.1	1.8	.3								3.9	6.8
S	.4	.8	2.2	.8								4.1	8.2
SSW	.1	1.1	1.7	.6	.2	.1						3.9	9.1
SW		.8	1.6	2.2	.2							4.7	10.5
WSW		1.0	2.2	2.5	.8							6.3	11.4
W	.4	2.9	3.9	4.1	1.6	.2						13.1	10.8
WNW	.9	1.9	3.3	6.2	2.6	1.4						16.3	12.9
NW	.6	1.5	2.2	4.9	1.8	.4						11.5	12.2
NNW	.8	1.3	1.9	2.2	.3	.4						6.9	10.3
VARBL													
CALM												1.6	
	6.7	21.2	31.1	28.6	8.3	2.6						170.0	17.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

M. 1
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.2	1.1	1.6	.4	.2						6.1	9.2
NNE	.5	.9	.8	.5								2.7	7.1
NE	.2	.4	.4	.2	.1							1.4	7.9
ENE	.3	.9	2.2	.9	.1	.1						4.4	9.0
E	.6	2.2	2.2	.9								5.8	7.1
ESE	.5	1.5	1.7	.1								3.9	6.2
SE	.2	1.3	1.2	.2								2.9	7.0
SSE	.5	1.4	1.2	.3								3.4	6.5
S	.1	1.6	2.9	1.4								6.2	8.5
SSW		1.1	1.8	.5	.1							3.5	8.5
SW	.3	1.4	1.9	1.7	.2							5.6	9.2
WSW	.4	.9	2.3	2.3	.2							6.2	9.7
W	1.1	1.5	4.1	6.1	2.0	.6						15.5	11.5
WNW	1.0	.9	2.5	5.9	1.5	1.3						13.0	12.9
NW	.3	1.6	2.2	5.4	1.9	.3						11.7	12.5
NNW	.4	1.1	1.6	1.9	.4	.3						5.8	10.8
VARBL													
CALM												2.2	
	7.3	20.6	29.9	32.0	7.1	2.9						170.0	9.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724396 STATION NAME MCGUIRE AFB TX YEARS 73-82 MONTHS MAR
ALL WEATHER 1800-2000
 CLAS HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.4	2.5	.5	.2	.1						6.2	7.8
NNE		.2	.8	.8								1.7	13.1
NE	.5	.6	.8	.3		.1						2.4	7.5
ENE	.6	1.7	1.0	.6								3.2	7.2
E	1.8	2.2	1.1	.4								5.5	5.2
ESE	1.5	1.5	.3									3.3	3.9
SE	1.3	1.4	.9									3.5	4.4
SSE	2.2	3.1	.1	.1								5.5	4.2
S	2.5	4.6	2.3	.9								10.2	5.5
SSW	1.1	2.2	1.9	.4								5.6	6.0
SW	.5	1.6	1.2	.3								3.7	6.0
WSW	.9	1.9	.9	.2		.1						4.7	5.9
W	1.2	3.2	3.0	1.6	1.1	.3						10.4	9.0
WNW	.9	1.6	3.0	3.7	1.0	.4	.2					10.8	11.3
NW	1.5	1.8	3.9	3.0	.2	.1						10.5	8.8
NNW	.5	1.8	2.0	1.1	.5	.2						6.2	9.0
VARBL													
CALM												7.2	
	18.2	30.2	25.5	14.3	3.0	1.4	.2					170.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

72496 STATION MCGUIRE AFB NJ 73-82 YEARS MAR MONTH 2100-2300 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.5	2.6	2.0								8.1	7.6
NNE	.4	.9	.2	.4								1.9	6.6
NE	.6	1.1	.9	.6		.1						3.3	7.5
ENE	.9	.6	.3	.5		.1						2.5	6.9
E	1.6	1.4	.6	.2								3.9	4.7
ESE	1.2	.5	.1									1.8	3.4
SE	1.4	1.1	.6									3.1	4.2
SSE	2.2	1.4	.3									3.9	3.7
S	3.4	3.5	2.5	.2								9.7	5.1
SSW	1.4	2.8	1.2	.4								5.8	5.5
SW	2.2	2.4	1.0	.1								5.6	4.7
WSW	1.1	1.5	.6	.3	.1	.1						3.8	6.3
W	1.2	2.0	2.0	1.9	.6	.1						8.0	8.8
WNW	.4	1.9	3.1	2.6	.4	.3	.2					9.0	10.5
NW	.5	2.6	2.2	2.3	.5	.2						6.3	9.3
NNW	.6	2.0	2.6	1.6	.3							7.2	8.5
VARBL													
CALM												14.2	
	21.1	27.3	20.9	13.3	2.0	1.0	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 724096 MC GUIRE AFB NJ STATION NAME 73-82 YEARS MAP 80078

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.1	2.2	1.5	.2	.1						7.4	7.7
NNE	.5	.8	.6	.6	.0							2.6	7.3
NE	.8	.9	.8	.4	.1	.0						3.1	6.5
ENE	.7	1.1	1.3	.8	.0	.0						3.9	7.4
E	1.2	1.8	1.4	.4	.0							4.9	6.0
ESE	.9	1.0	.6	.1								2.6	4.9
SE	.8	.9	.8	.1								2.5	5.4
SSE	1.2	1.3	.7	.2								3.4	5.0
S	1.7	2.4	1.9	.5								6.5	5.8
SSW	1.0	1.7	1.7	.5	.0	.0						5.0	6.6
SW	1.0	1.6	1.4	.8	.2							4.9	7.2
WSW	.6	1.3	1.3	.8	.2	.1						4.4	8.2
W	.9	2.2	2.9	2.9	1.0	.2						10.2	9.9
WNW	.7	1.8	3.1	4.3	1.2	.6	.1					11.7	11.5
NW	.7	1.9	2.9	3.8	1.2	.3						10.7	10.7
NNW	.7	1.7	1.9	1.8	.4	.1						6.6	9.1
VARBL													
CALM												9.6	
	14.8	24.6	25.6	19.9	4.6	1.9	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 7880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724596
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-2200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.6	1.8	.9								7.3	6.3
NNE	.7	1.1	.3	.6								2.7	6.1
NE	.7	.6	.6	.8								2.6	7.0
ENE	1.3	.7	1.0	.1								3.1	4.9
E	1.6	1.0	.9	.2								3.7	5.1
ESE	1.0	.4	.4	.1								2.2	4.5
SE	.2	.3	.4									1.0	6.6
SSE	.8	.7		.1								1.6	3.9
S	2.7	3.7	.7	.2	.1							7.3	4.6
SSW	4.1	2.2	2.4	.2								9.0	4.7
SW	2.1	1.8	1.0	.2								5.1	4.6
WSW	1.8	1.8	.6	.4								4.6	4.9
W	1.1	2.6	1.7	1.1	.3	.1	.1					7.0	7.8
WNW	1.2	2.1	2.2	2.8	.1	.2	.1					8.8	9.1
NW	.6	2.3	2.7	1.6	.7	.1						7.9	9.1
NNW	1.7	3.0	2.4	.7	.1							7.9	6.4
VARBL													
CALM												18.6	
	22.6	27.8	19.1	10.0	1.3	.4	.2					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB TX 73-82 YEARS APP SOUTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.3	2.1	.1								6.0	5.5
NNE	.2	.4	.3	.3								1.3	7.3
NE	1.2	.9	1.0	.2								3.3	5.5
ENE	1.3	1.1	.9	.2								3.6	5.2
E	1.0	1.6	1.0	.3								3.9	5.8
ESE	.7	.3	.1									1.1	3.3
SE	1.2	.4	.6	.1								2.3	4.8
SSE	.3	.2	.2	.2								1.0	6.7
S	2.8	1.9	.6									5.2	3.4
SSW	2.2	1.9	2.8	.1								7.0	5.5
SW	1.9	2.2	.8	.2								5.1	4.6
WSW	1.4	1.2	1.4	.3								4.4	5.9
W	1.9	2.7	1.0	1.6	.3	.1						7.6	7.3
WNW	2.2	3.3	3.0	2.4	.2	.1		.1				11.4	7.9
NW	1.3	2.8	2.2	1.4	.7							8.1	8.3
NNW	.8	2.7	1.8	.6	.1	.1						6.0	6.8
VARBL													
CALM												2.6	
	21.7	26.0	19.8	8.2	1.3	.3		.1				120.0	4.8

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296
STATION

MCSUIRE AFB NJ

STATION NAME

73-82

YEARS

APP

DATE

ALL WEATHER

CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.9	2.8	.6	.1							8.2	6.2
NNE	.6	.9	.9	1.0								3.3	7.5
NE	1.0	.7	.6	.8	.2							3.2	7.8
ENE	1.2	.9	1.7	.7	.1							4.6	6.9
E	1.6	1.9	1.6	.4								5.4	5.8
ESE	1.1	.4										1.5	3.1
SE	.8	.3	.1									1.2	3.5
SSE	.9	.7	.7									2.2	5.0
S	1.3	1.3	.7	.3								3.7	5.3
SSW	1.6	2.8	1.7	.2								6.2	5.4
SW	1.0	1.3	2.8	.8								5.9	7.1
WSW	.9	2.6	3.3	1.1	.1							8.0	7.2
W	1.3	3.2	1.2	1.9	.7							8.3	8.1
WNW	.7	2.7	2.4	2.6	.3	.2	.2					9.1	9.6
NW	1.2	2.3	3.8	2.7	.8	.1						10.9	9.4
NNW	.9	1.9	1.9	1.8	.1							6.6	7.8
VARBL													
CALM												11.6	
	17.9	26.8	46.0	15.8	2.9	.3	.2					120.0	6.5

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MCGUIRE AFB NJ 73-82 YEARS APR 1978
STATION NAME STATION NAME CLASS ALL WEATHER 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.7	2.1	1.7	.2	.1						6.4	8.5
NNE	1.1	1.0	.7	.6	.1							3.4	6.7
NE	.7	.4	.6	1.2	.1							3.0	8.9
ENE	.2	.9	1.1	.7								2.9	8.2
E	.9	1.9	2.9	1.6								7.2	7.7
ESE	.7	1.4	.4									2.6	8.6
SE	.6	.7	.4	.1								1.8	5.1
SSE	.1	.6	1.0	.1								1.8	7.5
S	.8	.9	1.6	.2								3.4	6.5
SSW	.3	1.2	.7	.8								3.0	7.7
SW	.3	1.2	2.7	2.3	.3							6.9	9.5
WSW	.1	1.8	3.6	1.7	.2							7.3	9.1
W	1.4	1.7	3.7	3.9	.7	.7						12.0	10.3
WNW	1.6	1.3	2.9	4.2	.8	.4	.1					11.3	10.8
NW	1.4	3.0	3.6	4.4	2.1	.2						14.8	10.5
NNW	1.1	2.6	3.0	3.4	.3	.1						10.6	9.3
VARBL													
CALM												1.6	
	12.0	22.2	30.8	26.9	4.9	1.6	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MC GUIRE AFB NJ 73-82 APR 80
STATION NAME STATION NAME YEARS MONTHS
ALL WEATHER CLASS 1200-1800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.8	.9	1.8								4.2	8.7
NNE	.2	.4	.7	.9	.1							2.3	9.7
NE	.6	.8	.3	.3								2.7	5.4
ENE	.3	.3	1.2	.4								2.3	8.2
E	.8	2.0	2.9	1.4								7.1	7.7
ESE	.4	1.3	1.0	.1								2.9	6.1
SE	.1	.7	.9									1.7	6.1
SSE	.1	.7	.8	.2								1.8	7.6
S	.4	1.0	1.9	.9								4.2	8.2
SSW	.2	.6	1.4	1.0	.4							3.7	10.4
SW	.3	.8	3.1	2.3	.7	.1						7.3	10.6
WSW	.2	1.6	2.4	2.2	.3							6.8	9.7
W	.8	3.1	5.4	4.2	.8	.4		.1				14.9	10.3
WNW	.4	3.1	3.6	6.3	3.1	.7	.2					17.4	12.3
NW	.6	1.4	4.0	6.3	1.2	.4						14.0	11.5
NNW	.3	1.8	1.2	1.9	.7	.7						6.6	11.4
VARBL													
CALM												.8	
	6.7	20.3	31.8	30.4	7.3	2.3	.2	.1				170.0	10.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MC GUIRE AFB NJ 73-82 APR
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLIM
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.0	.8	1.4	.1							4.3	8.6
NNE	.2	.4	.2	.4								1.3	7.8
NE	.2	.9	1.1	.2								2.4	7.2
ENE	.2	.9	1.6	.1								2.8	7.1
E	.3	1.8	2.9	.1								5.1	7.0
ESE	.6	.7	1.2	.4								2.9	7.0
SE	.1	1.4	1.8									3.3	6.6
SSE	.1	.8	1.3	.1								2.3	7.8
S	.7	1.7	2.8	.9	.2							6.2	8.2
SSW	.2	1.0	1.6	1.0	.2							4.0	9.1
SW	.1	1.9	1.9	2.2	.2							6.3	9.9
WSW	.7	.8	2.0	3.0	.1							6.6	9.8
W	1.2	2.1	5.4	4.4	1.1	.2	.2					14.8	10.5
WNW	1.1	2.4	4.2	7.1	1.4	.3	.3					17.3	11.4
NW	.6	2.0	4.7	4.9	1.6	.3						14.2	11.1
NNW	.1	.9	.8	3.0	.6	.3						5.7	12.8
VARBL													
CALM												1.0	
	7.3	20.7	34.2	29.4	5.6	1.2	.6					100.3	9.7

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 STATION HCGUIRE AFB NJ 73-82 YEARS APR MONTH
ALL WEATHER CLASS 1870-2000 SOURCE (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	1.9	1.6	.1							5.7	8.8
NNE	.3	1.0	.6	.2								2.1	6.2
NE	.2	.7	.1	.2								1.2	6.6
ENE	.4	1.0	.7	.1								2.2	5.5
E	.6	1.8	2.2	.1								4.7	6.3
ESE	1.2	1.8	.7									3.7	4.7
SE	.8	1.4	.3	.1								2.7	5.0
SSE	2.0	2.2	1.3	.1								5.7	4.7
S	2.8	5.3	2.6	.3	.1							11.1	5.3
SSW	1.7	2.0	2.0	.3								6.0	5.8
SW	.8	2.3	1.9	.3								5.3	6.3
WSW	1.1	2.1	1.3	.4								5.0	5.8
W	2.4	4.0	4.6	1.4	.3			.2				13.0	7.6
WNW	1.0	1.9	2.7	1.8	.6	.1	.1					8.1	9.4
NW	.7	2.2	3.2	2.3	1.3	.2						10.0	10.4
NNW	1.0	1.6	3.1	1.9	.2	.2						8.0	8.9
VARBL													
CALM												5.6	
	17.6	32.9	29.1	11.3	2.7	.6	.1	.2				100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS 822 MONTHS
2100-2300 HOURS (L.S.T.)

ALL WEATHER

CLARE

CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	3.3	2.1	1.1								7.8	6.6
NNE	.4	.3		.2								1.0	5.1
NE	.4	.8	.8	.3	.1							2.4	7.0
ENE	.6	.9	.7									2.1	5.5
E	2.0	1.3	1.1	.3								4.8	5.2
ESE	1.2	.8	.1									2.1	3.2
SE	1.3	.2	.1	.1								1.8	3.3
SSE	1.1	.8	.2	.1								2.2	4.5
S	4.4	6.0	1.7	.2								12.3	4.6
SSW	2.8	4.9	1.7	.3								9.7	5.0
SW	2.6	3.3	.3	.1								6.3	4.0
WSW	1.7	2.6	1.1	.4								5.8	5.8
W	1.1	2.1	1.7	1.3	.2	.2	.2					6.9	8.6
WNW	1.3	1.6	1.6	1.2	.3	.1						6.1	8.1
NW	.9	2.4	2.6	2.6	.6	.1	.2					9.3	9.7
NNW	1.0	2.0	2.9	1.6	.3							7.8	8.3
VARBL													
CALM												11.6	
	24.1	33.3	18.6	10.0	1.6	.4	.4					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096
STATION

MC GUIRE AFB NJ
STATION NAME

73-82
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.0	2.1	1.8	1.1	.1	.0						6.2	7.2
NNE	.5	.7	.5	.5	.0							2.2	7.1
NE	.6	.7	.6	.5	.1							2.5	7.0
ENE	.7	.8	1.1	.3	.0							2.9	6.4
E	1.1	1.7	1.9	.6								5.2	6.5
ESE	.9	.9	.5	.1								2.3	4.8
SE	.6	.7	.6	.1								2.0	5.2
SSE	.7	.8	.7	.1								2.3	5.6
S	2.0	2.7	1.5	.4	.1							6.7	5.5
SSW	1.6	2.1	1.8	.5	.1							6.1	6.1
SW	1.1	1.9	1.8	1.1	.2	.0						6.0	7.3
WSW	1.0	1.8	2.0	1.2	.1							6.1	7.5
W	1.4	2.7	3.1	2.5	.6	.2	.1	.0				10.6	9.1
WNW	1.2	2.3	2.8	3.6	.9	.3	.1	.0				11.2	10.2
NW	.9	2.3	3.3	3.3	1.1	.2	.0					11.2	10.2
NNW	.9	2.0	2.1	1.8	.3	.2						7.4	8.9
VARBL													
CALM												9.1	
	16.2	26.2	26.2	17.6	3.4	.9	.2	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB NJ 73-82 YEARS MAY MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.7	1.9	.1								5.7	5.6
NNE	.5	.8	.1									1.4	3.5
NE	1.7	.8	.4	.2								3.1	4.2
ENE	1.1	.9	.9	.6								3.8	6.3
E	1.9	.6	1.0	.3								3.9	4.9
ESE	1.5	1.1	.2									2.8	3.9
SE	1.5	.2	.2									1.9	3.2
SSE	1.4	.8	.4									2.6	3.9
S	5.6	2.9	.6									9.1	3.2
SSW	4.6	3.0	.4									8.1	3.5
SW	4.7	2.7	.8	.1								8.3	3.5
WSW	1.7	1.4	.3	.2								3.7	4.6
W	2.0	2.4	1.0									5.8	4.8
WNW	.8	1.3	1.0	.1								3.1	5.6
NW	.6	1.1	1.1	.5	.2							3.5	7.5
NNW	1.0	2.2	1.4	.2								4.7	5.7
VARBL													
CALM												79.2	
	32.7	23.7	11.7	2.5	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 MCGUIRE AFB NJ 73-82 MAY
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
0300-0500
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.3	1.1									7.0	4.2
NNE	1.8	1.2	.6	.2								3.9	4.6
NE	1.4	1.4	.6	.3								3.8	5.3
ENE	1.6	1.1	1.6									4.3	5.0
E	1.7	1.0	.4	.2								3.3	4.1
ESE	1.0	1.1	.4									2.5	4.2
SE	1.4	.9	.1									2.4	3.2
SSE	1.6	.5	.6									2.8	4.2
S	4.0	2.2	.5									6.7	3.3
SSW	2.5	1.6	.8									4.8	3.8
SW	2.8	1.5	.2									4.9	3.3
WSW	1.3	2.2	.3	.2								4.0	4.7
W	3.4	2.7	.8	.3								7.2	4.3
WNW	.8	1.3	.3	.1								2.5	4.9
NW	.9	1.4	.9	.3								3.4	5.7
NNW	1.5	1.0	1.6	.2								4.3	5.7
VARBL													
CALM												32.3	
	30.2	24.6	11.0	1.9								100.3	2.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MCGUIRE AFB NJ 73-82 YEARS MAY MONTH
ALL WEATHER CLASS 0600-2800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.7	2.9	.5								8.2	5.8
NNE	1.8	2.3	2.2	.5								6.9	5.8
NE	.9	1.9	2.0	.8								5.6	6.4
ENE	1.6	1.3	1.9	.4								5.3	5.7
E	1.1	1.0	.8	.2								4.0	5.1
ESE	.9	1.3	.2	.1								2.5	4.7
SE	1.3	1.3	.5									3.1	4.0
SSE	1.3	1.3	.9									3.4	4.5
S	3.1	2.3	.5									5.9	3.7
SSW	2.2	2.4	1.3									5.8	4.6
SW	2.4	2.0	1.3	.1								6.6	4.8
WSW	1.4	3.0	.9	.4								5.7	5.2
W	1.1	2.7	3.0	1.1								7.9	7.0
WNW	1.4	1.8	1.3	1.0	.3							5.8	7.0
NW	1.0	1.9	1.4	.8								5.1	6.6
NNW	.9	1.4	1.6	.9	.1							4.8	7.3
VARBL													
CALM												13.6	
	24.2	32.3	22.7	6.8	.8							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724096 STATION MCGUIRE AFB NJ 73-82 YEARS MAY
STATION NAME CLASS 0900-1800
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.5	2.3	1.4								6.9	7.1
NNE	.5	2.5	1.5	.9								5.4	7.0
NE	1.1	1.7	3.0	1.1								6.9	7.3
ENE	.3	1.5	1.6	.1								3.5	6.6
E	1.3	2.5	2.0	.6								6.5	6.0
ESE	.6	2.4	.6	.2	.2							4.1	6.4
SE	.9	1.5	1.2									3.6	5.4
SSE	.4	.5	1.7	.2								2.9	7.0
S	.9	1.8	1.8	.1								4.6	6.0
SSW	.8	1.8	1.2	.2								4.0	5.9
SW	1.0	2.7	2.2	1.3								7.1	7.1
WSW	1.1	2.9	2.3	1.4								7.6	7.0
W	2.5	2.6	5.1	1.5	.4							12.1	7.3
WNW	1.3	1.5	2.9	1.6		.1						8.0	8.7
NW	1.5	2.3	2.3	2.3	.1							8.4	8.0
NNW	1.0	1.5	1.4	1.2								5.1	7.0
VARB.													
CALM												3.4	
	16.8	31.2	33.0	14.1	1.3	.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MCGUIRE AFB NJ 73-82 YEARS MAY MONTH
STATION NAME CLASS ALL WEATHER 1200-1400 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	2.4	2.3	.4								5.2	6.6
NNE	.8	1.0	1.4	.6								3.8	6.7
NE	.5	1.0	1.7	.3								3.5	6.7
ENE	.8	1.6	2.3	.6								5.3	6.7
E	.6	1.6	3.0	.1								5.4	6.6
ESE	1.0	1.9	1.4	.2								4.5	5.8
SE	.6	.9	1.3	.1								2.9	6.2
SSE	.8	1.3	1.5	.4								4.7	6.7
S	.9	1.3	1.9	1.0								5.1	7.3
SSW	1.1	1.5	1.4	.5								4.5	6.4
SW	.5	1.3	2.9	1.0								5.7	8.1
WSW	.9	2.2	3.5	2.0	.1							8.7	8.2
W	1.2	5.3	5.9	3.0	.1							15.5	7.9
WNW	1.1	1.7	3.3	2.6	.4	.1						9.2	9.0
NW	.6	2.5	3.0	2.5	.5							9.1	9.0
NNW	.6	1.2	1.7	1.0		.1						4.6	8.1
VARBL													
CALM												2.3	
	12.8	28.5	38.6	16.5	1.2	.2						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MC GUIRE AFB YJ 73-82 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.9	1.1	.6	.3							4.8	7.2
NNE	.1	1.3	1.1									2.5	6.5
NE	.4	1.1	.6	.5								2.7	6.7
ENE	.6	1.1	1.3	.1								3.1	6.2
E	.8	2.8	3.4	.2								7.2	6.6
ESE	1.3	2.4	1.3	.1								5.1	5.3
SE	.8	2.4	1.9	.1								5.2	5.8
SSE	.1	1.3	2.5	.5								4.4	8.1
S	.5	3.1	3.5	.4								7.6	6.8
SSW	.5	1.6	2.0	.8								4.9	7.5
SW	.9	1.4	2.8	.9								5.9	7.6
WSW	1.0	2.3	4.5	2.2	.2							10.1	8.3
W	1.4	4.2	4.9	1.5								12.0	7.2
WNW	1.0	1.7	4.4	2.9	.4							10.4	9.2
NW	.4	1.6	1.9	2.5	.1							6.6	9.0
NNW	.6	.9	1.4	1.3	.2							4.4	9.0
VARBL													
CALM												3.0	
	11.3	31.0	38.8	14.6	1.3							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION 73-82 MAY MONTH 1800-2000 HOURS (L.S.T.)
MCGUIRE AFB NJ STATION NAME YEARS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.5	1.5	.9								4.7	7.2
NNE	.1	.9	.6									1.6	6.3
NE	.1	.3	.5									1.0	6.7
ENE	.6	1.3	1.3	.1								3.3	5.7
E	2.0	3.4	1.3									6.8	4.9
ESE	2.8	3.0	.9									6.7	4.1
SE	2.5	2.8	.6	.1								6.0	4.3
SSE	1.9	3.9	1.3									7.1	4.9
S	4.7	8.5	2.2	.4								15.8	4.7
SSW	2.3	2.0	1.5	.3								6.1	5.2
SW	2.3	3.2	2.0	.1								7.6	5.2
WSW	1.4	1.6	1.4									4.4	5.1
W	1.4	3.4	1.8	.4								7.1	5.8
WNW	.6	1.0	2.0	.9	.2							4.7	8.2
NW	1.0	1.6	1.7	.4	.2							4.9	6.9
NNW	.3	.6	1.2	.9								3.0	8.2
VARBL													
CALM												9.0	
	24.9	39.1	21.9	4.5	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.5	3.0	.9								6.1	7.3
NNE	.2	.2	.3	.1								.9	6.6
NE	.6	.4	.2									1.3	4.1
ENE	1.3	1.5	.6	.3								3.8	5.2
E	2.5	1.3	1.1	.2								5.1	4.5
ESE	2.7	1.3	.6									4.6	3.6
SE	1.9	1.2	.1									3.2	3.4
SSE	3.3	1.3		.1								4.7	2.8
S	8.4	5.6	1.4	.1								15.5	3.7
SSW	5.1	5.4	1.2	.1								11.7	3.9
SW	2.9	3.1	.5									6.6	3.9
WSW	1.9	1.5	.6	.1								4.2	4.0
W	1.9	2.3	.8	.4								5.4	5.2
WNW	.6	.6	.5	.2								2.2	5.7
NW	.2	1.5	.3	.1								2.2	5.3
NNW	.6	1.3	1.1	.4	.1							3.5	7.0
VARBL													
CALM												19.2	
	35.1	30.0	12.5	3.1	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724086 STATION 724086 HCGUIRE AFB NJ STATION NAME 73-82 YEARS MAY MONTH
ALL WEATHER CLASS ALL MONTHS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.1	2.0	.6	.0							6.2	6.3
NNE	.7	1.3	1.0	.3								3.3	6.0
NE	.8	1.1	1.2	.4								3.5	6.2
ENE	1.0	1.3	1.4	.3								4.0	5.9
E	1.5	1.9	1.6	.2								5.3	5.5
ESE	1.5	1.8	.7	.1	.0							4.1	4.8
SE	1.4	1.4	.8	.0								3.5	4.6
SSE	1.4	1.4	1.1	.2								4.0	5.3
S	3.5	3.5	1.6	.3								8.8	4.6
SSW	2.4	2.4	1.2	.2								6.3	4.8
SW	2.0	2.4	1.6	.4								6.6	5.4
WSW	1.5	2.1	1.7	.8	.0							6.1	6.5
W	1.9	3.2	2.9	1.0	.1							9.1	6.6
WNW	.9	1.4	2.0	1.2	.2	.0						5.7	8.1
NW	.8	1.7	1.6	1.2	.1							5.4	7.7
NNW	.8	1.3	1.4	.8	.1	.0						4.3	7.2
VARBL													
CALM												14.0	
	23.5	30.0	23.8	8.0	.6	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-2200
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.0	1.3	.1								4.7	5.4
NNE	.3	.7	.7									1.7	5.0
NE	1.7	.6	.4									2.7	3.4
ENE	.9	.6	.4									1.9	4.1
E	1.8	.3	.2									2.3	3.0
ESE	1.1	.3	.1									1.6	3.1
SE	2.2	1.3										3.6	3.2
SSE	1.7	.6										2.2	2.6
S	7.8	4.7	.8									13.2	3.3
SSW	6.2	4.4	.6	.2								11.5	3.5
SW	3.0	3.0										6.0	3.6
WSW	2.2	1.3	.3									3.9	3.3
W	2.2	3.6	.4	.3								6.6	4.5
WNW	1.2	1.4	.4	.4								3.6	5.3
NW	.8	1.6	1.2									3.6	5.7
NNW	.2	1.3	.4									2.0	5.2
VARBL													
CALM												29.1	
	34.6	27.7	7.5	1.1								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS JUN MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.T.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	2.1	1.0	.3								4.9	5.3
NNE	.3	.6	.2									1.1	4.8
NE	.9	.8	1.1									2.8	5.8
ENE	1.1	.3	.6									2.0	4.2
E	1.9	.8										2.7	2.7
ESE	.8	.6										1.3	3.1
SE	1.3	.7	.1									2.1	3.4
SSE	2.2	.7	.1									3.0	2.7
S	5.6	3.0	.2									8.8	3.1
SSW	5.6	4.2	.4									10.2	3.4
SW	2.3	3.4	.4									6.2	4.1
WSW	1.2	1.9	.2									3.3	4.1
W	2.2	3.4	.4									6.1	3.9
WNW	.8	1.2	1.2	.1								3.3	5.8
NW	1.3	2.1	.7									4.1	4.6
NNW	1.0	1.2	1.0	.1								3.3	5.3
VARBL													
CALM												34.7	
	30.0	27.0	7.8	.6								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796
STATION

MCENTRE AFB NJ
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.1	1.4	.8								6.8	5.5
NNE	2.1	1.2	.9									4.2	4.0
NE	1.9	1.8	1.6	.3								5.6	5.4
ENE	1.9	1.6	1.0	.1								4.6	4.7
E	1.8	2.3	.1									4.2	3.6
ESE	.8	.7										1.4	3.2
SE	1.0	1.0	.2									2.2	3.6
SSE	2.0	.8	.1									2.9	3.0
S	3.3	3.1	.8	.1								7.3	4.1
SSW	2.9	3.9	1.1									7.9	4.5
SW	2.6	3.6	1.7	.2								8.0	4.9
WSW	1.9	3.7	1.4	.7								7.7	5.7
W	2.0	3.3	1.2									6.6	5.1
WNW	.7	2.1	1.7	.7								5.1	6.7
NW	1.3	1.8	1.8	.6								5.5	6.4
NNW	1.4	1.8	1.7	.8								5.7	6.4
VARBL													
CALM												14.3	
	30.0	34.7	16.7	4.2								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724396 MC GUIRE AFB NJ 73-82 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
0900-1100
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.4	1.8	1.2								5.8	7.2
NNE	1.2	1.7	1.7	.4								5.0	6.1
NE	1.4	1.6	1.6	.4								5.0	5.9
ENE	.8	1.6	1.9	.2								4.4	6.1
E	1.3	2.9	1.0									5.2	5.0
ESE	1.4	1.1	.8									3.3	4.5
SE	.8	1.1	.6									2.4	4.8
SSE	.9	.9	.6									2.3	4.7
S	1.6	2.3	1.1	.2								5.2	5.8
SSW	1.9	2.9	1.8	.3								6.9	5.3
SW	1.4	4.1	2.4	.6								8.6	6.0
WSW	1.2	3.3	4.2	.8	.1							9.7	7.1
W	2.1	3.2	2.9	1.4								9.7	6.7
WNW	1.3	2.1	2.1	1.3								6.9	7.2
NW	.9	3.3	3.4	1.3								9.0	7.5
NNW	1.1	1.7	1.8	1.1								5.7	7.2
VARBL													
CALM												4.9	
	20.8	35.2	29.6	9.8	.1							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296
STATION

MC GUIRE AFB NJ
STATION NAME

73-82
YEARS

JUN
MONTH

ALL WEATHER
CLIM

1200-1400
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.8	1.7	1.7	1.0								5.1	7.4
NNE	1.0	1.4	.7	.1								3.2	5.0
NE	.3	.3	1.9	.3								2.9	7.2
ENE	.3	1.4	2.0	.6								4.3	7.6
E	.7	2.2	2.3	.1								5.3	6.1
ESE	.8	1.6	.9									3.2	5.1
SE	.7	2.0	.9									3.6	5.4
SSE	1.2	1.2	.8									3.2	4.8
S	1.4	3.0	2.4									6.9	5.5
SSW	.8	3.3	2.3									6.4	5.8
SW	.8	3.4	3.8	.9								8.9	7.1
WSW	.7	2.8	5.1	1.4								10.0	7.7
W	2.0	4.8	5.0	2.6	.2							14.6	7.6
WNW	1.0	2.2	3.2	2.7	.1							9.2	8.3
NW	.6	1.7	2.8	1.3	.3							6.7	8.6
NNW	.6	1.2	1.6	.9	.2							4.4	7.8
VARBL			.1									.1	9.0
CALM												1.9	
	13.6	34.3	37.4	11.9	.9							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 STATION MCGUIRE AFB NJ 73-82 YEARS JUN 1970
1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.6	.3	.7								3.3	6.4
NNE	.6	.2	.7	.1								1.6	5.7
NE	.3	1.0	1.2	.1								2.7	6.7
ENE	.6	1.3	1.2	.6								3.7	6.9
E	.4	2.6	2.0	.1								5.1	6.0
ESE	1.3	3.1	2.1	.1								6.7	5.5
SE	.9	2.0	1.6									4.8	5.8
SSE	1.2	3.1	1.4	.1								5.9	5.8
S	1.8	5.2	2.8	.1								9.9	5.6
SSW	1.0	3.6	3.1	.2								7.9	6.2
SW	.8	2.4	4.9	.7								8.8	7.2
WSW	.7	1.8	4.8	.8								8.0	7.6
W	1.2	2.0	4.6	2.8	.4							11.0	8.9
WNW	1.2	2.1	3.2	1.3	.2							8.1	7.9
NW	.6	.7	2.8	2.2								6.2	8.9
NNW	.9	1.1	1.1	1.6	.1							4.8	8.1
VARBL													
CALM												2.0	
	14.2	33.8	37.8	11.4	.8							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS JUN MONTH
ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.6	.9	.7								3.5	6.9
NNE	.3	.3	.4									1.1	5.4
NE	.6	.4	.9									1.9	5.5
ENE	.6	.6	1.1									2.2	6.0
E	2.6	2.0	1.2									5.8	4.5
ESE	2.4	1.8	.7									4.9	4.0
SE	2.8	2.7	.8									6.2	4.1
SSE	4.1	4.3	.7									9.1	3.8
S	6.8	7.9	1.8	.1								16.4	4.2
SSW	3.1	3.9	1.8									8.7	4.5
SW	2.2	3.4	1.3									7.0	4.7
WSW	1.2	1.7	1.1	.1								4.1	5.2
W	1.6	2.2	2.3	.3	.2							6.7	6.4
WNW	1.0	2.4	1.3	1.0	.2							6.0	7.1
NW	.8	1.8	1.3	.6								4.4	6.5
NNW	.3	2.2	.7	.2								3.4	6.1
VARBL													
CALM												8.3	
	30.8	39.1	18.3	1.0	.4							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

AU-A134 199

MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 20 JUL 83
USAFETAC/DS-83/028 SBI-AD-E850 417 F/G 4/2

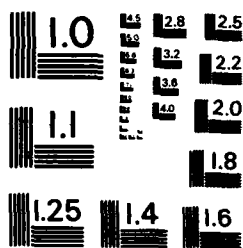
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F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS JUN 1973
2100-2300 HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	1.1	.8								4.3	5.6
NNE	.2	.6	.2									1.0	5.0
NE	1.2	1.0	.7									2.9	4.5
ENE	.6	.7	.7									1.9	4.9
E	2.6	.9	.6									4.2	3.6
ESE	1.1	.8	.1									2.0	3.2
SE	2.6	.9	.2									3.7	3.2
SSE	2.9	1.8										4.7	3.0
S	9.8	7.6	1.3									18.7	3.6
SSW	6.1	5.9	1.1									13.1	3.9
SW	3.7	2.8	.6									7.0	3.7
WSW	1.6	1.9	.8									4.2	4.4
W	2.9	1.4	.2	.3								4.9	4.0
WNW	1.1	1.0	.6	.1	.1	.1						3.0	6.0
NW	.8	.9	.6	.3								2.6	5.6
NNW	.3	1.3	.4	.1	.1							2.3	6.2
VARBL													
CALM												19.8	
	38.8	30.7	9.1	1.3	.2	.1						100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MCGUIRE AFB NJ 73-82 ALL
STATION STATION NAME YEARS

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.2	.7								4.8	6.2
NNE	.8	.8	.7	.1								2.4	5.1
NE	1.0	.9	1.2	.2								3.3	5.5
ENE	.8	1.0	1.1	.2								3.1	5.8
E	1.6	1.8	.9	.0								4.3	4.6
ESE	1.2	1.2	.6	.0								3.1	4.4
SE	1.5	1.5	.5									3.5	4.2
SSE	2.0	1.7	.5	.0								4.2	3.9
S	4.8	4.6	1.4	.1								10.8	4.1
SSW	3.4	4.0	1.5	.1								9.1	4.5
SW	2.1	3.3	1.9	.3								7.6	5.3
WSW	1.3	2.3	2.3	.5	.0							6.4	6.2
W	2.0	3.0	2.1	1.0	.1							8.3	6.4
WNW	1.0	1.8	1.7	1.0	.1	.0						5.7	7.2
NW	.9	1.7	1.8	.8	.0							5.3	7.1
NNW	.7	1.5	1.1	.6	.1							4.0	6.8
VARBL			.0									.0	9.0
CALM												14.4	
	26.6	32.8	20.5	5.4	.3	.0						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 7198

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MC GUIRE AFB NJ 73-82 ALL WEATHER 0030-0200
STATION NAME YEARS MONTHS
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.9	.5	.2								6.9	4.0
NNE	.4	.8	.1	.1								1.4	5.0
NE	.9	.1	.3									1.3	3.9
ENE	.3	.5										.9	4.1
E	1.5	.2										1.7	2.1
ESE	.3											.3	2.0
SE	.2											.2	1.5
SSE	1.7	.5										2.3	2.7
S	6.3	4.1	.3									10.8	3.3
SSW	6.1	4.1	1.2									11.8	3.7
SW	5.6	4.0	.3									9.9	3.8
WSW	2.9	2.0	.1									5.1	3.3
W	1.2	2.5	.9	.1								4.6	4.6
WNW	1.3	1.6	.4	.1								3.8	4.8
NW	1.5	1.5	.5	.2								3.8	4.8
NNW	1.8	1.7	.3									3.9	3.9
VARBL													
CALM												32.3	
	35.8	26.6	5.1	.8								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION 73-82 MC GUIRE AFB NJ STATION NAME YEARS

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	2.0	1.1	.2								5.6	4.5
NNE	.9	.8	.1									1.7	3.6
NE	1.3	.2										1.5	2.4
ENE	.6	.1										.8	2.3
E	.9	.5	.1									1.5	3.1
ESE	.5	.1	.1									.8	2.9
SE	1.2	.2										1.4	2.0
SSE	1.1	.5										1.6	2.9
S	3.9	3.1	.2									7.2	3.3
SSW	5.9	4.7	.1									10.8	3.3
SW	4.7	2.5										7.2	2.9
WSW	2.3	2.2	.1									4.5	3.4
W	3.2	1.2	.4									4.8	3.2
WNW	1.3	1.5	.6									3.4	4.3
NW	2.4	.8	.9									4.0	4.1
NNW	1.6	2.3	.5	.1								4.5	4.3
VARBL													
CALM												38.7	
	34.0	22.7	4.3	.3								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION 73-82 MCGUIRE AFB NJ YEARS 73-82
CLASS ALL WEATHER
CONDITION
0607-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.0	2.3	1.0								10.2	5.7
NNE	.8	1.1	.6	.3								2.8	5.7
NE	1.8	1.3	.2									3.3	5.8
ENE	1.6	.8	.2									2.6	5.2
E	1.3	1.0										2.3	5.0
ESE	.8	.3	.1									1.2	5.5
SE	.8	.1	.2	.1								1.2	8.1
SSE	1.5	.6										2.2	2.5
S	3.2	2.0	.3									5.6	3.3
SSW	2.3	4.1	1.2									7.5	8.6
SW	3.5	5.1	1.6									10.2	8.8
WSW	3.9	4.0	.9	.1								8.2	8.0
W	2.5	3.9	.9									6.8	8.3
WNW	1.5	2.2	1.0									8.6	5.0
NW	.8	2.4	1.6	.3								5.1	6.3
NNW	1.8	3.0	2.0	.9								7.3	5.8
VARBL													
CALM												19.2	
	30.5	35.3	12.7	2.3								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION 73-82
MCGUIRE AFB NJ YEARS
ALL WEATHER CLASS
0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.4	4.2	.9	.1							11.0	6.4
NNE	1.4	1.8	2.0	.1								5.4	5.8
NE	1.7	1.3	.8									3.8	4.1
ENE	1.1	1.4	.5									3.0	4.0
E	2.3	1.5	.8									4.5	3.7
ESE	.5	1.0	.3									1.8	4.4
SE	.9	1.1	.5									2.5	4.4
SSE	.6	1.0	.9	.1								2.6	5.5
S	1.8	2.0	.8									4.6	4.5
SSW	1.5	2.2	1.2									4.8	4.9
SW	1.1	3.7	2.8	.2								7.7	5.9
WSW	1.3	3.8	3.2	.6								8.9	6.5
W	2.7	5.2	4.1	.2								12.2	5.6
WNW	2.2	2.9	2.4	.5								8.0	5.9
NW	1.1	2.8	1.6	1.1								6.6	6.8
NNW	1.1	1.5	1.6	1.2	.1							5.5	7.7
VARBL													
CALM												7.2	
	23.5	36.5	27.6	4.9	.2							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724796 STATION NAME MCGUIRE AFB NJ YEARS 73-82 UNIT MM
 CLASS ALL WEATHER HOURS (L.S.T.) 1200-1800
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	3.2	2.9	.8								7.9	6.2
NNE	1.0	1.5	.5	.1								3.1	4.8
NE	.8	1.4	.5	.2								2.9	5.1
ENE	.9	.9	.9									1.7	4.7
E	1.4	1.4	.6									3.8	4.8
ESE	1.2	2.9	.5									4.1	4.6
SE	.8	1.1	1.0									2.8	5.8
SSE	1.1	1.6	.8	.1								3.6	5.1
S	2.0	2.3	1.3	.1								5.7	4.9
SSW	1.3	3.2	2.3	.1								6.9	5.8
SW	1.2	2.7	4.5	.2								8.6	6.9
WSW	1.3	2.8	4.5	1.3								9.9	7.2
W	1.8	5.9	4.8	.8								13.3	6.8
WNW	1.3	2.5	5.8	.5								10.1	7.2
NW	.9	3.0	2.8	1.1								7.8	7.2
NNW	.8	2.9	1.6	.9	.1							5.7	7.1
VARBL													
CALM												2.5	
	18.6	38.2	38.8	6.1	.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724396 STATION MCGUIRE AFB NJ 73-82 YEARS IIII MONTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.7	1.6	.8								5.3	6.8
NNE	.2	.6	.9	.1								1.8	6.8
NE	.8	.9	.3									1.9	4.1
ENE	.6	1.0	.5									2.2	4.9
E	1.0	1.2	1.1									3.2	5.2
ESE	.6	1.9	.5	.1								3.2	5.3
SE	1.5	2.0	1.0									4.5	4.8
SSE	1.1	3.7	1.1									5.8	4.9
S	1.9	4.5	3.0									9.5	5.4
SSW	1.4	3.5	2.8	.1								7.8	5.6
SW	1.1	3.5	4.5	.2								9.4	6.5
WSW	1.2	2.7	4.1	.5								8.5	6.7
W	1.7	3.1	5.1	1.1	.1							11.1	7.1
WNW	.6	2.5	4.7	1.0								8.8	7.4
NW	1.2	2.2	3.2	.2	.2							7.0	6.8
NNW	1.0	2.0	2.7	1.3	.1							7.1	7.6
VARBL													
CALM												2.9	
	17.1	37.1	37.1	5.8	.8							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION 73-82 JUL 1800-2000
MCGUIRE AFB NJ STATION NAME YEARS MONTHS
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	1.0	.3								4.3	5.2
NNE	.2	.6	.1									1.3	4.9
NE	.5	.8	.2									1.5	4.5
ENE	.5	.2										.8	2.8
E	1.8	1.3	.5	.2								3.9	4.8
ESE	1.3	.6										1.9	2.8
SE	2.2	1.1	.3	.1								3.7	3.6
SSE	5.4	3.0	.4									8.8	3.3
S	8.5	8.5	1.4									18.4	3.7
SSW	5.5	4.5	1.0	.1								11.1	3.8
SW	2.6	3.2	.5	.1								6.5	4.1
WSW	1.7	2.4	.9	.2								5.2	4.8
W	2.2	2.4	1.0	.1								5.6	4.5
WNW	1.3	2.2	1.3	.1								4.8	5.8
NW	.9	2.4	1.2	.2								4.6	5.5
NNW	1.4	2.2	1.3	.6								5.5	5.9
VARBL													
CALM												12.6	
	37.1	37.1	11.1	2.2								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

JUL
DATE

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.7	.4									3.1	4.7
NNE	.6	.4	.4									1.5	4.2
NE	.5	.6	.1	.1								1.4	4.8
ENE	.1	.1	.1									.3	5.0
E	1.7	.5										2.3	2.5
ESE	.9	.4										1.3	2.5
SE	1.5	.4										1.9	2.3
SSE	2.7	1.1										3.8	2.7
S	10.0	7.7	1.3									19.0	3.5
SSW	6.7	6.2	.8									13.7	3.5
SW	5.4	3.9										9.2	3.1
WSW	2.3	1.5	.2									4.0	3.3
W	3.0	1.4	.6									5.1	3.6
WNW	1.2	1.4	.1	.1								2.8	4.1
NW	.8	1.2	.9									2.8	5.5
NNW	1.3	1.5	.6	.1								3.5	4.8
VARBL													
CALM												24.3	
	39.6	30.2	5.6	.3								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS ALL MONTHS
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.6	1.7	.5	.0							6.8	5.6
NNE	.7	1.0	.6	.1								2.3	5.3
NE	1.0	.8	.3	.0								2.2	4.1
ENE	.7	.6	.2									1.5	3.9
E	1.5	1.0	.4	.0								2.8	3.8
ESE	.8	.8	.2	.0								1.8	4.1
SE	1.1	.8	.4	.0								2.3	4.0
SSE	1.9	1.5	.4	.0								3.8	3.8
S	4.7	4.3	1.1	.0								10.1	3.9
SSW	3.8	4.1	1.3	.0								9.2	4.2
SW	3.1	3.6	1.8	.1								8.6	4.6
WSW	2.0	2.7	1.7	.3								6.7	5.3
W	2.3	3.1	2.2	.3	.0							7.9	5.8
WNW	1.3	2.1	2.0	.3	.0							5.8	6.0
NW	1.2	2.0	1.6	.4	.0							5.2	6.1
NNW	1.3	2.1	1.3	.6	.0							5.4	6.0
VARBL													
CALM												17.5	
	29.5	32.9	17.2	2.8	.1							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7839

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MC GUIRE AFB N.J. 73-82 73-82 73-82
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.3	1.0	.5								5.9	5.1
NNE	.9	1.4	.1									2.4	4.2
NE	1.5	.9	.5									2.9	3.8
ENE	.9	.8	.5									2.2	4.8
E	.8	.3										1.1	2.6
ESE	.6	.1										.8	1.9
SE	.9											.9	1.8
SSE	1.3	.4										1.7	2.8
S	7.2	4.4	.3									11.9	3.2
SSW	6.7	4.1	.5									11.3	3.3
SW	4.0	3.4	.3	.1								7.8	3.6
WSW	2.5	2.9	.5									5.9	4.0
W	3.0	2.3	.2									5.5	3.8
WNW	1.2	2.2	.3	.1	.1							3.9	4.9
NW	.5	.3		.1		.1						1.1	6.4
NNW	.5	1.2	.6									2.4	5.3
VARBL													
CALM												32.5	
	34.5	26.9	5.1	.9	.1	.1						100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION 73-82 446
MCGUIRE AFB NJ
ALL WEATHER
0300-0500
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.3	2.7	.1									7.1	3.2
NNE	1.0	1.4	.1									2.5	4.1
NE	1.1	.8	.4	.2								2.5	5.1
ENE	.8	.9	.1									1.7	3.6
E	1.1	.3	.1									1.5	2.6
ESE	.1											.1	2.0
SE	.6	.3										1.0	2.9
SSE	1.0	.4	.1									1.5	3.0
S	5.7	2.6	.5									8.8	3.1
SSW	4.8	3.7	.3									8.8	3.3
SW	4.2	2.3	.3									6.8	3.3
WSW	3.5	1.4	.3									5.3	3.2
W	2.8	1.3	.1	.3								4.5	3.8
WNW	1.1	1.3	.1									3.0	3.9
NW	3.0	1.8	.1									4.9	3.2
NNW	1.7	1.0	.5	.1								3.3	4.1
VARBL													
CALM												36.7	
	36.8	22.6	3.3	.6								100.0	2.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	4.2	1.5									8.5	4.7
NNE	1.2	1.9	1.2	.2								4.5	5.4
NE	1.7	1.7	.9	.3								4.2	5.2
ENE	1.7	2.2	.3	.1								4.3	4.2
E	1.4	.2	.2									1.8	2.5
ESE	1.0	.1										1.1	2.1
SE	.8		.1									.2	2.0
SSE	1.3	.1										1.4	2.0
S	3.4	2.9	.5									6.9	3.6
SSW	3.6	3.7	.9	.2								8.5	4.1
SW	4.3	3.5	.6	.2								8.7	3.8
WSW	1.2	2.9	.5									4.6	4.5
W	3.5	2.8	.8									7.1	3.8
WNW	1.9	2.2	.2									4.3	3.5
NW	1.5	3.0	1.6									6.1	5.2
NNW	2.3	2.7	.9	.1								5.3	4.5
VARBL													
CALM												21.8	
	33.3	33.4	10.2	1.2								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 72496 MC GUIRE AFB NJ 73-82 415
STATION NAME YEARS
CLASS ALL WEATHER 0900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	5.2	2.8	.4								10.2	5.8
NNE	1.7	2.2	.9	.1								4.8	4.7
NE	1.2	3.0	1.7	.5								6.5	6.0
ENE	1.4	2.9	.9	.4	.1							5.7	5.7
E	.9	2.6	.9	.2								4.5	5.1
ESE	1.3	.3	.2									1.8	2.8
SE	1.5	.6	.2									2.4	3.8
SSE	.5	.9										1.4	4.0
S	1.4	2.3	.5									4.2	4.4
SSW	1.9	3.7	1.4	.1								7.1	5.1
SW	2.0	4.6	3.3	.5								10.5	5.8
WSW	1.5	3.0	3.0	.1								7.6	5.8
W	1.5	4.5	3.0	.4								9.5	5.9
WNW	1.5	2.5	.9	.2								5.1	5.0
NW	1.8	3.8	1.5	.8								7.8	5.6
NNW	1.2	1.7	1.3	.8								4.9	6.3
VARBL													
CALM												5.9	
	23.2	43.7	22.5	4.6	.1							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 MC GUIRE AFB WJ 73-82 AUG
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION

1200-1800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.5	1.7	.1								6.2	5.0
NNE	.5	.8	1.1	.4	.1							2.9	7.4
NE	.8	.8	.4	.2								2.2	5.3
ENE	.9	2.2	2.0	.2	.2							5.5	6.6
E	1.3	2.4	1.4	.1	.1							5.3	5.4
ESE	1.3	1.1	.5									2.9	4.1
SE	.8	.5	.1									1.4	3.7
SSE	.6	1.3	.5									2.5	4.8
S	.9	2.5	1.3	.1								4.7	5.2
SSW	1.8	3.4	1.5	.4								7.2	5.3
SW	1.4	3.1	3.1	.5								8.2	6.3
WSW	1.6	3.3	3.3	1.4								9.7	6.8
W	2.0	5.9	4.9	1.3								14.2	6.5
WNW	1.2	3.3	3.0	.5								8.1	6.3
NW	1.4	4.5	2.3	1.2								9.4	6.3
NNW	1.8	1.9	1.2	1.5								6.5	6.8
VARBL													
CALM												3.3	
	27.2	39.5	28.5	8.1	.4							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB NJ 73-82 YEARS AUG 1978
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	1.2	.2								5.6	5.5
NNE	.2	.3	.9	.3	.2							1.9	9.2
NE	.3	1.3	.3	.2								2.2	6.2
ENE	.4	1.4	1.2	.2	.1							3.3	6.9
E	1.2	2.9	1.9	.3								6.3	5.9
ESE	.5	1.7	.5									2.8	5.1
SE	1.0	2.5	.5									4.0	4.5
SSE	2.3	2.8	.5									5.6	4.2
S	2.0	3.5	1.1									6.7	4.5
SSW	2.3	3.7	1.7	.4								7.4	5.8
SW	1.4	3.1	2.8	.2								7.5	6.0
WSW	1.5	3.7	3.4	.9								8.8	6.7
W	1.8	4.2	4.7	.3								10.3	6.1
WNW	2.0	4.1	3.2	.4								9.8	5.7
NW	1.4	3.3	2.4	1.2								8.3	6.5
NNW	2.2	1.9	1.1	.6								5.8	5.6
VARBL													
CALM												3.7	
	22.2	41.7	26.8	5.8	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 MC GUIRE AFB NJ 73-82 ALL
STATION STATION NAME YEARS DATE
ALL WEATHER
CLASS
CONDITION
1870-2000
PERIOD (L.T.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.5	2.0	.6	.1		.1	.1					4.5	5.5
NNE	.6	.3	.4	.4	.1							1.9	7.1
NE	.5	.5	.3	.1								1.5	5.1
ENE	.9	.9	.6									2.4	4.5
E	3.4	2.0	.1									5.6	3.2
ESE	2.0	.6										2.7	2.6
SE	2.4	1.6										4.0	2.9
SSE	3.2	2.6	.5									6.3	3.6
S	10.3	6.6	1.5									18.4	3.6
SSW	4.6	3.5	1.3									9.5	3.9
SW	2.9	2.8	.2									5.9	3.7
WSW	1.9	1.6	.9									4.4	4.3
W	1.5	2.3	.5	.1								4.4	4.5
WNW	1.0	2.5	.9									4.3	5.0
NW	.8	1.4	.5	.3	.1							3.1	6.2
MNW	2.3	.9	.8									3.9	4.0
VARBL													
CALM												17.2	
	39.9	32.2	9.2	1.1	.2	.1	.1					100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724296 MCGUIRE AFB NJ STATION NAME 73-82 YEAR 1968
CLASS ALL WEATHER 2100-2300
CONDITION LOCAL (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	1.2	.4			.1					3.9	6.8
NNE	.6	1.1		.1								1.8	4.3
NE	2.0	.9	.2	.2								3.3	3.9
ENE	.6	.4		.1								1.2	3.8
E	1.5	.1	.3									1.9	3.3
ESE	1.2											1.2	1.6
SE	1.3											1.3	2.0
SSE	3.3	1.2	.1									4.6	2.7
S	7.6	5.6	.6									13.9	3.3
SSW	7.0	6.0	1.3	.2								14.5	3.8
SW	3.4	3.9	.4	.2								8.0	4.0
WSW	2.9	1.8	.5									5.3	3.7
W	1.6	1.1	.2	.1								3.0	3.6
WNW	1.2	.6	.3	.1								2.3	4.9
NW	1.2	1.2	.2									2.6	3.8
NNW	.6	1.7	.3	.1			.2					3.0	6.6
VARBL													
CALM												28.3	
	37.8	26.6	5.8	1.6			.3					100.0	2.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB NJ 73-82 YEARS AUG MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	2.8	1.3	.2		.0	.0					6.5	5.1
NNE	.8	1.2	.6	.2	.1							2.8	5.6
NE	1.1	1.2	.6	.2								3.1	5.1
ENE	.9	1.4	.7	.1	.1							3.3	5.4
E	1.4	1.4	.6	.1	.0							3.5	4.9
ESE	1.0	.5	.2									1.7	3.3
SE	1.1	.7	.1									2.0	3.3
SSE	1.7	1.2	.2									3.1	3.5
S	4.8	3.8	.8	.0								9.4	3.6
SSW	4.1	3.9	1.1	.2								9.3	4.1
SW	3.0	3.3	1.4	.2								7.9	4.7
WSW	2.1	2.5	1.6	.3								6.5	5.2
W	2.2	3.0	1.7	.3								7.3	5.2
WNW	1.4	2.4	1.1	.2	.0							5.1	5.2
NW	1.5	2.4	1.1	.4	.0	.0						5.4	5.6
NNW	1.6	1.5	.8	.4			.0					4.4	5.5
VARBL													
CALM												18.7	
	30.9	33.3	13.9	2.9	.1	.0	.1					100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 7490

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ STATION NAME 73-82 YEARS SEP MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	2.9	1.6									7.4	4.4
NNE	1.1	1.1	1.1									3.3	5.2
NE	2.2	1.9	1.0									5.1	4.3
ENE	1.9	.6	.8									3.2	4.2
E	1.0	.8	.8	.1								2.7	5.3
ESE	.3	.2		.1								.7	4.2
SE	.8	.2	.1	.1								1.2	3.8
SSE	1.0	.3	.1									1.4	3.2
S	2.9	1.0	.9									4.3	3.3
SSW	4.2	4.6	.9									9.7	3.9
SW	2.3	2.0	1.1									5.4	4.1
WSW	3.1	1.7	.2									5.0	3.2
W	1.9	2.2	.3									4.4	4.0
WNW	1.0	1.4	.8									3.2	5.1
NW	.8	1.0	1.0									2.8	5.3
NNW	1.3	1.4	.9									3.2	4.3
VARBL													
CALM												36.8	
	28.9	23.3	10.7	.3								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724396
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.8	3.3	1.7	.1								8.9	4.6
NNE	1.4	1.7	.6									3.7	4.5
NE	1.6	2.3	.7									4.6	4.2
ENE	2.1	.8	1.7									3.9	4.2
E	1.4	.8	.2									2.4	3.1
ESE	.3	.1	.2									.7	4.3
SE	.3	.2										.6	2.6
SSE	1.0	.2		.1								1.3	3.3
S	3.6	1.1	.3	.3	.1	.1						5.6	4.5
SSW	2.7	1.8	.4		.1							5.0	3.9
SW	3.1	2.0	.6									5.7	3.6
WSW	2.3	2.0										4.3	3.2
W	1.3	1.8	.6									3.7	4.0
WNW	.7	2.1	.6	.2								3.6	5.4
NW	.8	2.1	.4									3.3	4.7
NNW	1.1	1.4	.4	.2								3.2	5.2
VARBL													
CALM												39.7	
	27.6	23.8	7.7	1.0	.2	.1						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ STATION NAME 73-82 YEARS SEP

ALL WEATHER
CLASS

0600-1800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.8	1.9	.6								7.8	5.5
NNE	2.3	2.6	1.4	.2								6.6	5.0
NE	2.7	2.1	2.1	.2								7.1	4.8
ENE	2.0	1.1	1.2									4.3	4.8
E	1.9	.7	.1									2.7	3.1
ESE	.8	.4	.1									1.3	3.1
SE	.9	.8										1.7	3.1
SSE	1.0	.7										1.7	3.7
S	2.3	2.0	.3	.6								5.2	4.5
SSW	2.3	1.8	.3	.1								4.6	3.8
SW	4.0	2.9	.4	.1								7.4	3.7
WSW	1.7	1.9	.6									4.1	4.2
W	2.3	2.2	.8									5.3	4.1
WNW	1.6	2.0	1.0	.2								4.8	5.2
NW	1.1	2.1	1.4									4.7	5.5
NNW	1.1	1.6	1.2	.2								4.1	5.6
VARBL													
CALM												26.7	
	30.6	27.6	13.0	2.2								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 STATION 73-82 SEP
MCGUIRE AFB NJ STATION NAME YEARS
ALL WEATHER CLASS
0900-1100 HOUR (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.3	3.8	1.1								9.2	6.7
NNE	1.4	1.1	1.6	.4								4.6	5.8
NE	2.0	2.7	2.0	.6								7.2	5.7
ENE	2.1	2.0	2.2	.6								6.9	5.8
E	1.3	2.8	1.4	.1								5.7	5.5
ESE	1.4	1.2	.7									3.3	4.2
SE	.7	1.2	.2									2.1	4.1
SSE	.7	1.7	.1	.1								2.6	4.6
S	2.1	2.7	1.0	.2								6.0	4.7
SSW	1.3	1.8	2.6	.1								5.8	6.1
SW	1.0	3.3	1.6	.3								6.2	5.8
WSW	1.9	2.3	2.1	.2								6.6	5.7
W	1.9	4.0	1.7	.4								8.0	5.3
WNW	1.6	1.9	1.0	.9	.1							5.4	6.4
NW	1.0	2.2	2.9	1.1	.1							7.3	7.6
NNW	.7	1.8	2.2	1.1	.3							6.1	8.2
VARBL													
CALM												7.0	
	23.1	35.0	27.0	7.3	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MCGUIRE AFB NJ 73-82 YEARS SEP MONTH
1233-1400 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.6	1.7	1.0	.2							5.3	7.5
NNE	1.6	2.0	.9	.3								4.8	5.0
NE	.9	1.8	1.8	.2								4.7	6.3
ENE	1.4	1.7	1.1	.6								4.8	5.7
E	.9	2.4	2.1	.6								6.0	6.2
ESE	1.0	1.2	.7	.1								3.0	5.1
SE	.4	1.2	.2									1.9	4.5
SSE	.7	1.0	.4									2.1	4.9
S	1.4	2.7	1.9	.4								6.4	5.9
SSW	1.1	2.3	2.0	.6								6.0	6.5
SW	.3	2.1	3.2	.9								6.6	7.6
WSW	.8	3.4	2.7	.7								7.6	6.6
W	1.6	3.8	3.6	.7								9.6	6.3
WNW	2.2	3.3	4.3	1.0	.3							11.2	7.0
NW	1.2	2.4	4.3	1.4	.1							9.6	7.7
NNW	.7	1.2	1.8	1.1	.2							5.0	8.3
VARBL													
CALM												5.6	
	17.1	34.2	32.7	9.6	.9							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 970

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MC GUIRE AFB NJ 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 1570-1720
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	1.7	1.4	.9								5.1	6.7
NNE	.9	1.1	1.3	.3								3.7	6.5
NE	.9	1.1	1.1	.2								3.3	5.6
ENE	.6	1.6	1.3	.1								3.8	5.6
E	1.9	3.7	2.6	.1								6.2	5.6
ESE	1.4	2.9	.6									4.9	4.4
SE	1.3	1.8	.4									3.6	4.3
SSE	1.7	2.1	.9									4.2	4.7
S	1.6	2.1	2.0	.2								5.9	5.8
SSW	1.1	3.1	2.8	.6								7.6	6.3
SW	1.8	3.0	2.1	.8								7.7	6.1
WSW	1.0	1.7	2.2									4.9	6.2
W	2.8	4.2	3.0	1.2								11.2	6.0
WNW	1.1	2.1	2.8	1.0		.1						7.1	7.2
NW	.9	2.1	3.6	.6	.1							7.2	7.1
NNW	1.0	1.8	1.6	1.8	.1							6.2	8.1
VARB													
CALM												5.4	
	20.2	36.0	29.7	7.8	.2	.1						170.3	5.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION 73-82 YEARS SEP 1800-2000
MCGUIRE AFB NJ STATION NAME ALL WEATHER CLASS 1800-2000 HOUR (L.V.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.4	1.7	.4								6.5	5.7
NNE	.9	.9	1.3									3.1	5.8
NE	.4	1.2	.7									2.1	5.7
ENE	1.3	2.0	.7									4.0	4.6
E	2.9	1.8	.9	.2								5.8	4.0
ESE	2.4	.8										3.2	2.7
SE	3.3	1.2	.1									4.7	3.0
SSE	3.0	2.4										5.5	3.1
S	5.5	5.8	1.7	.2								13.1	4.2
SSW	4.1	2.8	1.1									8.0	3.9
SW	2.0	.3	.2									2.6	3.3
WSW	2.1	.4	.2									2.8	3.0
W	2.8	2.4	.7	.3								6.2	4.8
WNW	1.1	1.1	.3	.1								2.7	4.6
NW	1.1	1.0	.4	.2	.1							3.8	5.2
NNW	1.8	1.3	.7	.4								4.2	5.2
VARBL													
CALM												21.8	
	35.7	29.7	10.7	2.0	.1							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MCGUIRE AFB NJ 73-82 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS MONTH (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	1.6									5.4	5.0
NNE	.4	1.7	.6	.4								3.1	6.1
NE	1.2	1.8	1.1	.7								4.8	6.0
ENE	1.7	1.6	.7									3.9	4.2
E	2.1	1.0	.3	.3								3.8	4.2
ESE	.7	.1										.8	2.3
SE	2.0	.6	.2									2.8	2.8
SSE	1.6	.1										1.7	2.2
S	5.7	2.9	1.1									9.7	3.4
SSW	3.8	4.0	1.0									8.8	3.9
SW	4.7	2.3	.3									7.3	3.3
WSW	2.1	1.1	.3	.1								3.7	3.7
W	1.2	1.9	.3	.2								3.7	4.6
WNW	.7	1.4	.6	.1								2.8	5.2
NW	1.1	2.0	.3	.4								3.9	5.1
NNW	1.7	1.4	.2	.1								3.4	4.0
VARBL													
CALM												30.6	
	32.1	26.2	8.7	2.4								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB WJ STATION NAME 73-82 YEARS SEP MONTH
ALL WEATHER CLASS ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.5	1.9	.5	.0							7.0	5.7
NNE	1.3	1.5	1.1	.2								4.1	5.8
NE	1.5	1.8	1.3	.2								4.9	5.2
ENE	1.7	1.4	1.1	.2								4.3	5.0
E	1.7	1.7	1.1	.2								4.7	4.9
ESE	1.1	.9	.3	.0								2.2	4.0
SE	1.2	.9	.2	.0								2.3	3.6
SSE	1.3	1.1	.2	.0								2.6	3.8
S	3.1	2.5	1.1	.3	.0	.0						7.0	4.5
SSW	2.6	2.8	1.4	.2	.0							6.9	4.7
SW	2.4	2.3	1.2	.3								6.1	4.8
WSW	1.9	1.8	1.0	.1								4.9	4.8
W	2.0	2.8	1.4	.4								6.5	5.2
WNW	1.2	1.9	1.4	.4	.1	.0						5.1	6.2
NW	1.0	2.0	1.8	.5	.1							5.3	6.5
NNW	1.2	1.5	1.1	.6	.1							4.8	6.5
VARBL													
CALM												21.7	
	27.0	29.5	17.5	4.1	.3	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION MCGUIRE AFB NJ 73-82 YEARS OCT SOUTH
ALL WEATHER CLASS 0000-0200 HOURS (L.G.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.4	1.2	.4								5.8	5.5
NNE	1.1	1.7	.3	.2	.1							3.4	5.3
NE	2.5	1.2	1.1	.1								4.8	4.5
ENE	.6	.5	1.1	.1								2.4	6.4
E	.8	.1	.6									1.5	5.0
ESE	.2	.1										.3	3.0
SE	.6	.1										.8	2.4
SSE	.8	.6										1.4	3.3
S	2.8	2.6	.4									5.8	3.9
SSW	3.7	2.2	1.1									6.9	3.7
SW	2.3	2.7	.6	.3								5.9	4.4
WSW	1.6	2.2	.4	.2	.3							4.7	5.5
W	2.6	4.3	2.3	1.1	.1							10.3	5.9
WNW	.8	1.5	2.0	.8								5.1	7.3
NW	.6	1.6	1.4	.3								4.2	6.3
NNW	1.3	2.0	.6	.2								4.2	5.1
VARBL													
CALM												32.7	
	29.0	25.8	13.2	3.8	.5							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MC GUIRE AFB 41 STATION NAME 73-82 YEARS 051
ALL WEATHER CLASS 0300-0500
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.3	1.2	.8								6.6	5.8
NNE	1.4	2.0	.6		.2							4.3	5.2
NE	1.8	2.3	1.1	.4								5.6	5.0
ENE	.4	.4	.6	.1								1.6	5.9
E	.5	.4	.6	.3								1.9	6.6
ESE	.4											.4	1.8
SE	.3	.5	.1									1.0	3.9
SSE	.9	.4										1.3	2.9
S	3.9	2.3	1.0									7.1	3.7
SSW	2.3	1.0	.8									4.0	4.2
SW	2.6	2.3	.8									5.6	4.0
WSW	1.9	2.4	.2	.4	.1							4.9	5.1
W	2.2	4.7	2.2	.8	.4							10.2	6.2
WNW	1.1	1.7	1.4	.4	.1							4.7	6.6
NW	.6	1.2	1.7	.3								3.9	6.6
NNW	1.4	2.0	.9	.1								4.4	4.9
VARBL													
CALM												32.5	
	24.0	25.9	13.1	3.7	.9							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 STATION 724296 MCGUIRE AFB NJ STATION NAME 73-82 YEARS 067 MONTH 0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.8	1.6	.6								7.8	5.3
NNE	1.2	2.3	1.6	.5								5.6	6.0
NE	1.7	2.3	1.7	.3								6.0	5.3
ENE	.8	.8	.6									2.2	5.1
E	1.0	.5	.3	.2	.1							2.2	5.5
ESE	.4	.2										.6	3.5
SE	.5	.6	.1									1.3	3.5
SSE	1.4	.4										1.8	2.9
S	2.5	2.3	.5	.1								5.4	4.1
SSW	2.4	2.5	.9									5.7	4.2
SW	2.5	3.3	.9	.1								6.8	4.4
WSW	1.7	3.0	1.2	.2								6.1	5.0
W	1.5	4.3	2.8	1.1	.2							9.9	6.7
WNW	1.0	2.3	1.8	1.1								6.1	7.2
NW	.8	1.7	2.7	.2								5.4	6.7
NNW	1.7	1.4	.5	.3	.1							4.1	5.5
VARBL													
CALM												23.0	
	23.7	30.7	17.3	4.8	.4							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724796 STATION NAME MCGUIRE AFB NJ YEAR 73-82 DATE 261

CLASS ALL WEATHER 3920-1100
GRADE (L.S.V.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.8	3.7	1.2	.1							8.3	7.8
NNE	1.0	1.9	3.9		.3							7.1	7.1
NE	.9	1.4	2.9	.6								5.3	6.9
ENE	1.2	1.3	1.8	.4								4.4	6.6
E	.9	1.3	1.2	.1	.1	.1						3.7	6.8
ESE	.8	1.0	.4									2.2	8.6
SE	.5	1.1	.2									1.8	8.8
SSE	.5	1.4	.4	.1								2.5	5.5
S	1.2	1.5	1.3		.2							4.2	5.8
SSW	.5	2.0	1.9	.4								5.0	6.7
SW	1.4	2.8	2.7	.8	.2							7.9	6.7
WSW	1.0	3.7	2.9	.6								8.2	6.6
W	1.2	1.8	4.0	1.9	.8							9.7	8.9
WNW	1.3	1.6	3.4	3.0	.4							9.5	9.8
NW	1.2	1.3	3.7	2.4	.1							8.6	8.5
NNW	.6	1.2	2.9	1.6	.1							6.5	8.9
VARBL													
CALM												5.4	
	14.3	27.8	36.8	13.2	2.8	.1						100.	7.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724096 MCGUIRE AFB NJ STATION NAME 73-62 YEARS 3CT
CLASS ALL WEATHER MONTHS 1200-1800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.2	1.5	.5	.2							6.5	6.6
NNE	1.0	1.5	1.8	.6	.4	.1						5.5	7.8
NE	1.0	1.1	1.8	.3								4.2	6.4
ENE	.6	1.0	1.3	.3								3.2	6.7
E	1.0	1.7	1.4									4.1	5.4
ESE	.6	1.5	.6	.1								2.9	5.4
SE	.3	1.2	.2		.1							1.8	5.7
SSE	.8	1.2	.6									2.6	5.3
S	.8	2.5	1.2	.3								4.7	6.0
SSW	.5	2.4	2.0	.5								5.5	6.8
SW	1.3	2.7	2.5	2.0	.2							8.7	7.6
WSW	1.3	2.3	3.4	1.2								8.2	7.1
W	1.2	2.4	4.6	5.2	.5							13.9	9.6
WNW	1.0	2.3	3.2	2.9	.6	.2						10.2	9.5
NW	.8	1.7	3.8	3.3	.5							10.1	9.5
NNW	.6	1.4	1.6	1.3								5.0	6.0
VARBL													
CALM												2.9	
	13.7	29.9	31.8	18.7	2.7	.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724096 MCGUIRE AFB NJ STATION NAME 73-82 YEARS 061
DATE
CLASS ALL WEATHER 1500-1700
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.5	1.6	1.0								6.7	6.2
NNE	.5	1.1	.9		.2							2.7	6.6
NE	.3	1.7	.3	.2								2.6	5.7
ENE	.5	1.7	1.4									3.7	5.7
E	1.9	2.7	1.8	.1								6.6	5.0
ESE	1.1	1.6	.5	.1								3.3	4.8
SE	1.2	1.0	.5									2.7	4.2
SSE	1.0	1.8	.3	.1								3.2	4.9
S	1.7	1.8	1.4	.2								5.2	5.5
SSW	1.6	2.0	.9	.3	.1							5.0	5.5
SW	.9	3.2	2.6	.8	.1							7.5	6.4
WSW	1.5	2.8	2.5	.5								7.3	6.2
W	2.6	3.4	4.0	3.3	.3							13.7	7.7
WNW	1.1	2.4	2.8	3.4	.8							10.5	9.5
NW	.5	2.3	3.0	1.9	.2							8.0	8.4
NNW	.9	1.1	1.8	1.4	.1							5.3	8.1
VARBL													
CALM												6.1	
	19.0	33.2	26.4	13.5	1.8							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MCGUIRE AFB NJ 73-62 YEARS 2CT MONTHS
ALL WEATHER CLASS 1870-2000 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	.9	.5	.2							4.6	6.5
NNE	.2	.6	.3									1.2	5.9
NE	1.3	.5	.2	.3								2.9	5.1
ENE	1.8	.6	.2									2.7	3.5
E	2.6	1.7	.9									5.2	3.9
ESE	1.2	.4	.3	.1								2.0	3.8
SE	1.7	.5	.1									2.4	2.7
SSE	4.3	1.9	.1									6.4	3.0
S	5.4	3.8	1.1	.1								10.3	3.7
SSW	3.6	3.3	.5									7.4	3.8
SW	2.6	3.2	.6	.1								6.6	4.2
WSW	1.3	2.0	.9	.2		.1						4.5	5.7
W	2.0	3.3	1.9	1.0	.3							8.6	6.5
WNW	1.2	1.6	1.9	1.5								6.2	7.5
NW	.5	1.9	1.4	.9								4.7	7.2
NNW	1.1	1.9	1.6	.4	.1							5.2	6.3
VARBL													
CALM												19.6	
	32.0	29.5	13.0	5.2	.6	.1						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB NJ 73-82 YEARS 0/1 MONTHS
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.8	1.8	.8	.1							7.1	6.3
NNE	1.1	1.2	.4	.2	.1							3.0	5.2
NE	1.2	1.1	.5	.1								3.0	4.5
ENE	1.5	.6	.2	.1								2.5	3.8
E	1.8	1.2	.4	.1								3.6	4.1
ESE	.6	.5										1.2	3.2
SE	.4	.5										1.0	3.2
SSE	1.9	.8										2.7	2.9
S	5.2	3.3	1.0									9.3	3.5
SSW	3.7	3.0	1.0									7.7	4.0
SW	2.8	3.8	1.2	.2								8.0	4.5
WSW	2.3	1.7	.6	.3	.1							5.1	4.6
W	2.3	2.5	1.8	.9	.3							7.8	6.5
WNW	.6	1.8	1.6	.4	.2							4.7	7.3
NW	.9	1.8	1.5	.8								5.0	7.1
NNW	.2	1.6	1.3	.5								3.7	6.9
VARBL													
CALM												24.8	
	28.0	28.4	13.5	4.8	.9							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

724096 MCGUIRE AFB NJ 73-82 001
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
ALL
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	1.7	.7	.1							6.7	6.3
NNE	.9	1.5	1.2	.2	.2	.0						4.1	6.3
NE	1.3	1.4	1.1	.3								4.2	5.5
ENE	.9	.8	.9	.1								2.8	5.6
E	1.3	1.2	.9	.1	.0	.0						3.6	5.1
ESE	.7	.7	.2	.0								1.6	4.4
SE	.7	.7	.2		.0							1.6	3.9
SSE	1.4	1.1	.2	.0								2.7	3.8
S	2.9	2.5	1.0	.1	.0							6.5	4.3
SSW	2.3	2.3	1.1	.2	.0							5.9	4.7
SW	2.0	3.0	1.5	.5	.1							7.1	5.4
WSW	1.6	2.5	1.5	.5	.1	.0						6.1	5.9
W	1.9	3.4	2.9	1.9	.4							10.5	7.4
WNW	1.0	1.9	2.3	1.7	.3	.0						7.1	8.4
NW	.7	1.7	2.4	1.3	.1							6.2	7.9
NNW	1.0	1.6	1.4	.7	.1							4.8	6.9
VARB													
CALM												18.4	
	22.3	28.9	20.6	8.4	1.3	.1						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724096 MCGUIRE AFB TX STATION NAME 73-82 YEARS NGV
DATE 0000-1200
CLAS ALL WEATHER
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.0	1.1									6.1	4.5
NNE	.6	1.8	1.4	.3								4.1	6.7
NE	.7	.8	.7	.2								2.3	5.9
ENE	.8	.6	.8	.2								2.3	6.0
E	.3	.7	.3									1.3	5.5
ESE	.4											.4	2.0
SE	.0	.1										1.0	2.8
SSE	1.1	1.0										2.1	3.4
S	2.6	3.9	.4	.1								7.0	4.2
SSW	3.3	2.8	.9	.2								7.2	4.3
SW	2.2	2.7	1.2	.2								6.3	4.7
WSW	1.7	2.9	.7	.1	.1							5.4	4.8
W	2.6	5.1	4.2	1.2	.3							13.4	6.6
WNW	1.0	1.9	3.2	1.1	.2							7.4	7.6
NW	1.2	2.4	1.0	2.0								6.7	7.5
NNW	1.6	1.7	1.6	.6	.1							5.9	6.6
VARBL													
CALM												21.2	
	22.9	31.2	17.6	6.3	.8							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MCGUIRE AFB NJ 73-82 NCV
STATION STATION NAME YEARS MONTH
ALL WEATHER 0300-0500
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.0	1.1	.2								6.3	4.8
NNE	.7	1.6	1.1	.6	.1							4.7	6.6
NE	1.3	1.7	1.0	.3								3.3	5.6
ENE	.2	.6	1.0	.3								2.1	7.4
E	.9	.3	.4	.2								1.8	5.8
ESE	1.0	.2		.1								1.3	3.3
SE	.2	.3										.6	3.8
SSE	.6	1.0	.1									1.7	4.2
S	3.6	2.4	.8	.2								7.7	4.2
SSW	2.2	2.4	.9	.2								5.8	4.6
SW	2.0	2.7	1.0	.3								6.7	4.8
WSW	1.8	2.6	.6	.3	.2							5.4	5.3
W	1.7	5.4	4.1	1.2								12.4	6.6
WNW	.0	2.9	2.1	1.3	.3	.1						7.7	7.9
NW	.9	1.6	2.3	.8	.2							5.7	7.5
NNW	1.0	1.7	.8	1.1	.2							4.8	7.6
VARBL													
CALM												24.1	
	20.3	29.7	17.3	7.3	1.1	.1						177.3	4.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION 73-82
MC GUIRE AFB NJ STATION NAME YEARS NOV
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.8	1.7	.3								6.3	5.5
NNE	1.1	1.6	2.0	.2								4.9	5.8
NE	1.1	1.2	1.0	.2								3.6	5.5
ENE	.4	.1	.8	.3								1.7	7.7
E	.6	.6	.7	.2								2.0	6.2
ESE	.2	.1	.1									.4	5.0
SE	.4	.6										1.2	3.3
SSE	1.1	.4	.2									1.8	3.6
S	1.9	2.1	1.8	.1								5.9	4.9
SSW	2.0	2.4	.4	.3								5.2	4.5
SW	2.1	3.9	1.0	.2								7.1	4.8
WSW	2.3	3.6	1.8	.7	.1							6.4	5.7
W	2.4	4.2	3.2	2.4								12.3	6.9
WNW	1.2	3.1	3.1	.6	.1	.1						8.2	7.0
NW	1.0	.9	1.4	.8	.2							4.3	7.5
NNW	1.2	.9	1.2	1.4								4.8	7.3
VARBL													
CALM												22.0	
	20.8	28.3	20.4	7.9	.4	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724296 MC GUIRE AFB NJ 73-82 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	2.6	1.7	.6							8.7	7.8
NNE	.4	2.3	2.2	.6								5.6	6.8
NE	.8	1.9	1.3	.3								4.3	5.9
ENE	.2	1.3	1.1	.4								3.1	7.0
E	.3	.9	1.6									2.8	6.4
ESE	1.2	.6	.3									2.1	3.8
SE	.6	.2	.4									1.2	4.7
SSE	1.2	.2	.6	.1								2.1	4.2
S	.9	1.2	1.3	.1								3.6	5.7
SSW	1.1	1.0	3.0	.6								5.7	7.2
SW	.4	1.2	2.7	.7	.1							5.1	7.8
WSW	.8	1.8	3.8	1.6		.1						8.2	8.1
W	1.9	2.2	5.1	4.7	.7							14.6	9.1
WNW	.8	1.6	3.9	3.9	.8	.1						11.0	10.1
NW	.6	1.7	3.8	3.2	.3	.2						9.8	10.0
NNW	.6	1.3	1.3	2.0	.3	.1						5.7	9.6
VARBL													
CALM												6.8	
	13.4	21.7	35.0	19.8	2.8	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB NJ 73-82 YEARS NOV

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.2	1.6	1.0	.2							6.3	6.9
NNE	.4	2.0	1.0	1.0								4.8	7.1
NE	.3	.7	1.1	.6								2.7	7.9
ENE	.4	.7	1.2	.3								2.7	7.3
E	.6	1.6	1.1	.1								3.3	5.9
ESE	.6	.6	.6									1.7	5.3
SE	.1	1.0	.6									1.7	5.8
SSE	.3	.7	.6	.1								1.7	5.5
S	.6	2.0	.9	.6								4.0	6.9
SSW	1.3	.7	2.7	.9	.1							5.7	7.6
SW	1.1	1.6	3.1	1.3		.1						7.2	7.6
WSW	.3	1.2	4.4	2.2	.1	.2						9.2	9.1
W	1.2	2.3	4.8	5.5	1.3							15.1	10.3
WNW	1.2	1.2	3.8	5.1	.6	.2						12.1	10.3
NW	.7	1.2	5.0	3.6	.8	.6						11.8	10.8
NNW	.8	.8	2.7	2.6	.4							7.2	10.2
VARBL													
CALM												3.1	
	11.3	21.0	35.0	24.8	3.6	1.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MC GUIRE AFB NJ 73-82 YEARS NOV
STATION NAME ALL WEATHER CLASS 1500-1700
CONDITION C SOURCE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	2.4	2.4	1.1								7.0	7.2
NNE	.2	1.4	.4	.2								2.3	6.3
NE	.3	1.3	.9	.1								2.7	6.4
ENE	.1	.9	1.2	.1								2.3	7.0
E	1.1	2.6	.8									4.4	4.9
ESE	1.2	1.2	.3	.1								2.9	4.3
SE	.7	.3	.2									1.2	4.1
SSE	.9	1.6	.3									2.8	4.3
S	.9	2.6	1.9	.6								5.9	6.3
SSW	1.4	2.1	1.7	.6								5.8	6.2
SW	1.8	2.9	1.9	.6								7.1	5.8
WSW	1.2	2.4	2.3	.7		.1						6.8	6.9
W	1.0	3.7	5.3	2.8	.6	.2						13.6	8.8
WNW	1.0	1.8	4.2	4.3	.6							11.9	9.7
NW	.9	1.4	3.8	3.4	.7	.2						10.4	10.2
NNW	1.1	1.3	1.7	2.1	.2	.1						6.6	9.0
VARBL													
CALM												6.3	
	14.9	30.0	29.4	16.7	2.0	.7						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB NJ 73-82 YEARS NCV
CLASS ALL WEATHER 2100-2300
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.4	1.6									6.6	5.3
NNE	.9	2.1	1.3	.1								4.4	5.5
NE	.9	.9		.1	.1							2.0	5.0
ENE	.7	.2	.9	.1								1.9	5.5
E	.7	.8	.8	.2								2.4	5.9
ESE	.7		.1									.8	2.9
SE	1.0	.4	.1									1.6	3.8
SSE	.7	.6	.2									1.4	3.8
S	4.1	3.2	1.4	.1								8.9	8.8
SSW	2.8	2.8	1.7	.4								7.7	5.2
SW	2.1	2.4	.8									5.3	8.3
WSW	1.4	2.4	.6									4.4	8.8
W	2.0	3.4	4.4	2.0	.2							12.1	7.5
WNW	.7	2.0	3.2	1.1	.2							7.2	8.1
NW	1.6	2.7	2.7	1.1	.3							8.3	7.3
NNW	1.2	1.8	1.7	.6	.3	.1						5.7	7.5
VARBL													
CALM												19.2	
	22.9	29.2	21.4	5.9	1.2	.1						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 724296 MC GUIRE AFB NJ 73-82 YEARS NOV
MONTH ALL
HOURS (L.S.T.) ALL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.6	1.8	.4	.1							6.7	6.1
NNE	.6	1.7	1.3	.4	.0							4.0	6.3
NE	.8	1.1	.8	.2	.0							3.7	5.8
ENE	.5	.7	1.0	.3								2.5	6.6
E	.7	1.1	.8	.1								2.7	5.8
ESE	.8	.4	.2	.0								1.4	3.9
SE	.7	.5	.2	.0								1.4	4.0
SSE	1.0	.8	.3	.0								2.2	4.0
S	2.3	2.6	1.2	.3	.0							6.3	4.9
SSW	2.0	2.2	1.6	.4	.0							6.2	5.5
SW	1.6	2.5	1.5	.4	.0	.0						6.1	5.6
WSW	1.4	2.5	1.9	.7	.1	.1						6.7	6.5
W	1.9	3.8	4.3	2.7	.4	.0						13.2	7.9
WNW	.9	2.1	3.3	2.4	.4	.1						9.1	8.9
NW	1.1	1.7	2.9	2.1	.4	.1						8.2	8.9
NNW	1.1	1.3	1.6	1.4	.3	.0						5.7	8.4
VARBL													
CALM												14.8	
	19.0	27.4	24.7	12.1	1.7	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724756 MCGUIRE AFB NJ 73-82 DEC
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
0000-2200
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	1.8	.3	.1							5.4	6.4
NNE	.9	1.3	1.3	.3								3.8	6.0
NE	.4	1.6	1.3	.6								4.0	7.0
ENE	.1	.3	.6	.1		.1	.2					1.5	11.6
E	.4	.4	.2	.2								1.3	5.9
ESE	.3	.1	.1									.5	3.8
SE	.6	.1		.1								.9	3.6
SSE	1.2	.6	.3									2.2	3.8
S	2.9	1.5	1.3	.4								6.1	8.9
SSW	1.8	2.4	1.2	.5								5.9	5.2
SW	2.4	1.1	2.0	1.2								6.7	6.8
WSW	1.2	1.8	1.1	.2								4.3	5.3
W	2.0	2.7	3.8	2.8	.3							11.6	7.8
WNW	1.2	2.3	3.4	2.5	1.1	.2						10.6	9.8
NW	.8	2.3	2.7	1.9	.6							8.3	8.9
NNW	.9	2.2	2.4	.6	.4							6.5	7.5
VARBL													
CALM												20.5	
	18.3	22.6	23.5	11.9	2.6	.3	.2					120.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 MCGUIRE AFB NJ 73-82 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
0300-0500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	1.7	.6								5.4	6.4
NNE	1.3	1.3	2.5	.5								5.6	6.6
NE	.9	1.5	1.1	.3	.2							4.0	6.7
ENE	.2	.2	.3	.1	.1							1.0	8.0
E	.1	.4	.6									1.2	6.4
ESE	.4	.3										.8	3.3
SE	.5	.2										.8	2.7
SSE	.5	.8	.6									1.9	5.1
S	2.2	1.1	.8	.5								4.5	5.0
SSW	2.0	2.6	.6	.4								5.7	4.5
SW	1.4	2.2	.8	.8								5.1	5.8
WSW	2.2	1.3	.6	1.0	.1							5.2	5.9
W	2.3	4.1	4.5	2.4	.3		.1					13.7	7.6
WNW	.8	2.3	3.4	3.3	.8	.2	.1					10.9	10.0
NW	1.6	2.5	3.0	1.1	.8							8.9	7.7
NNW	.2	1.7	1.5	1.2	.1							4.7	8.3
VARBL													
CALM												20.9	
	17.8	24.1	22.2	12.3	2.4	.2	.2					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION NAME HCGUIRE AFB NJ 73-82 YEARS DEC
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.2	2.6	.6								6.3	6.6
NNE	1.0	1.9	.9	.2								4.2	5.7
NE	1.1	1.3	.9	.6	.2							4.1	6.9
ENE	.4	.2	.2	.5								1.4	7.4
E	.2	.3	.5									1.1	6.2
ESE	.5	.3	.1									1.0	4.1
SE	.1	.1	.2									.4	6.0
SSE	1.3	.3	.9									2.5	4.4
S	2.0	1.7	1.2	.1								5.1	4.8
SSW	1.4	1.6	1.4	.1								4.5	5.2
SW	2.5	1.9	1.2	.6								6.2	5.3
WSW	1.3	1.9	.3	.8								4.3	5.9
W	1.8	2.9	4.1	3.5	.4	.1						12.9	8.5
WNW	1.2	1.8	3.4	2.9	.9	.3						10.5	10.0
NW	.6	2.2	2.9	1.7	.9	.1						8.4	9.3
NNW	1.0	1.7	1.9	.4	.3	.2						5.6	7.9
VARBL													
CALM												21.7	
	17.7	22.2	22.7	12.3	2.7	.8						130.3	5.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96
STATION

MCGUIRE AFB NJ

STATION NAME

73-82

YEARS

DEC

MONTH

ALL WEATHER

CLASS

0900-1100

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1	2.5	2.0	.1	.1						6.7	9.1
NNE	.8	1.3	1.6	.2	.1							4.2	6.5
NE	.5	1.7	1.1	1.1								4.4	7.6
ENE	1.0	.8	1.2	.3								3.2	6.3
E	.9	.9	.8	.3								2.8	5.8
ESE	.3	.4	.1									.9	4.5
SE	.3	.8		.1								1.2	5.1
SSE	.4	.6										1.1	3.5
S	1.7	2.9	2.0	.5								7.2	5.9
SSW	1.1	1.8	1.4	.8								5.1	6.4
SW	1.3	1.7	2.3	.9	.1							6.2	7.0
WSW	.9	1.9	2.5	.5								5.8	6.9
W	1.0	1.6	3.9	4.3	1.1	.3						12.2	10.7
WNW	.9	.9	4.0	4.3	1.1	.5	.1					11.7	11.4
NW	1.4	1.2	3.4	4.3	1.3	.3	.1					12.0	11.0
NNW	1.4	1.0	2.2	2.6	.3	.1						7.5	9.3
VARBL													
CALM												8.1	
	14.6	20.5	28.8	22.3	4.1	1.4	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION 73-82 YEARS 1233-1400
MCGUIRE AFB NJ STATION NAME ALL WEATHER CLAS
CONDITON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.6	1.9	1.4								6.0	7.4
NNE	.3	.9	2.2	.4								3.8	7.7
NE	.6	1.8	.9	.6	.1							4.1	7.2
ENE	.5	.3	.6	.2								1.7	6.2
E	.6	.5	.3	.5	.1							2.2	7.3
ESE	.6	1.3	.2									2.2	4.3
SE	1.0	.8	.2									1.9	3.7
SSE	.3	.9	.6	.3								2.2	6.5
S	1.1	2.2	1.4	.2								4.6	5.7
SSW	.9	1.1	1.4	.5								3.9	6.7
SW	.9	1.2	2.5	1.5	.2							6.2	8.6
WSW	.6	1.5	2.6	2.5	.4							7.6	9.2
W	1.0	2.6	4.3	5.3	1.1	.5						14.7	10.6
WNW	.5	1.7	3.0	5.5	3.1	.8	.1					14.7	12.9
NW	.9	.9	3.8	5.8	1.5	.3	.2					13.3	11.8
NNW	1.2	1.1	1.5	2.9	.5	.2						7.4	10.1
VARBL													
CALM												3.2	
	12.2	20.2	27.4	27.7	7.1	1.8	.3					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION MCGUIRE AFB WJ 73-82 YEARS DEC SOUTH
ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	1.0	.6								4.6	5.8
NNE	.4	1.1	1.5	.4								3.4	7.3
NE	.4	1.7	1.0	.2	.1							3.4	6.5
ENE	1.0	1.2	.3	.4	.2	.1						3.2	6.9
E	1.4	1.1	.6		.1							3.2	4.8
ESE	1.1	.3										1.4	3.2
SE	.4	.4	.1									1.0	3.7
SSE	.6	1.0	.4									2.0	4.7
S	2.2	2.5	1.3	.3								6.2	5.2
SSW	1.4	1.7	1.6	.1								4.8	5.2
SW	.8	1.9	2.2	1.1	.3							6.2	7.9
WSW	1.0	2.4	1.5	.4								5.3	6.1
W	2.2	3.4	3.0	3.1	.2	.3						12.3	8.2
WNW	.5	2.8	5.6	5.4	1.8	.8						16.9	11.1
NW	1.2	1.7	3.9	4.4	.8	.4	.1					12.5	10.5
NNW	1.2	.8	2.0	1.6	.4	.1						6.1	9.2
VARBL													
CALM												7.3	
	16.9	25.8	26.0	18.2	4.0	1.7	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 STATION 73-82 YEARS 256 MONTHS 1877-2000 HOURS (L.S.T.)

MC GUIRE AFB WJ STATION NAME ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.7	1.1	.5								3.9	6.6
NNE	.9	.9	1.7	.8								4.2	7.3
NE	1.2	1.5	1.2	.2								4.1	5.7
ENE	1.2	.4		.2	.1							1.9	4.7
E	1.5	.8	.2	.2	.2	.1						3.7	5.9
ESE	1.2		.1									1.3	2.7
SE	1.3	.5	.2	.1								2.2	3.8
SSE	1.8	1.2	.2									3.2	3.3
S	2.7	2.9	1.7	.2								6.3	4.3
SSW	1.7	2.2	1.4	.8	.1							6.1	6.0
SW	1.1	2.0	1.6	.3								5.1	6.1
WSW	1.2	1.7	.6	.1								2.9	4.8
W	2.8	5.1	1.8	2.5	1.1							13.3	7.4
WNW	1.5	2.5	2.8	3.0	.9	.5						11.2	9.7
NW	1.0	2.3	3.8	2.7	.5	.1						10.3	9.1
NNW	.5	1.3	1.2	1.5	.1							4.6	8.3
VARBL													
CALM												15.8	
	22.9	25.4	19.0	13.1	3.0	.8						120.7	5.8

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 MCGUIRE AFB NJ 73-82 DEC
STATION STATION NAME YEARS MONTHS
ALL WEATHER 2100-2300
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.6	2.2	.6								5.9	6.6
NNE	.5	1.3	.5	.6								3.7	6.7
NE	.4	1.2	1.2	.3	.1							3.2	7.3
ENE	1.0	.3	.4	.4		.1	.1					2.4	7.5
E	.9	.4	.4	.2	.1							2.0	6.4
ESE	.9	.2										1.1	2.4
SE	.5	.5	.2	.1								1.4	4.8
SSE	.6	.4	.3	.2								1.6	5.3
S	3.0	2.3	1.2	.5								7.2	4.9
SSW	1.6	2.5	1.1	.2								5.4	5.2
SW	1.9	1.6	1.4	.6	.3							5.9	6.6
WSW	1.3	2.0	1.1	.2								4.6	5.6
W	1.8	2.9	2.4	2.8	.9	.1						10.9	8.6
WNW	1.2	2.2	1.9	2.7	1.0	.4						9.4	10.1
NW	.8	2.0	3.3	2.6	.4							9.2	8.8
NNW	1.0	2.0	1.5	.9	.3							5.7	7.4
VARBL													
CALM												71.1	
	19.7	23.6	19.2	13.2	3.1	.6	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724-96 STATION MC GUIRE AFB NJ STATION NAME 73-82 YEARS DEC
ALL WEATHER CLASS ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	1.8	.9	.0	.0						5.5	6.9
NNE	.8	1.2	1.5	.4	.0							4.0	6.7
NE	.7	1.5	1.1	.5	.1							3.9	6.9
ENE	.7	.5	.5	.3	.1	.0	.0					2.0	7.1
E	.8	.6	.5	.2	.1	.0						2.1	6.0
ESE	.7	.4	.1									1.1	3.5
SE	.6	.4	.1	.1								1.2	4.1
SSE	.9	.7	.4	.1								2.1	4.5
S	2.2	2.1	1.3	.4								6.0	5.1
SSW	1.5	2.0	1.3	.4	.0							5.2	5.5
SW	1.5	1.7	1.7	.9	.1							6.0	6.7
WSW	1.2	1.7	1.3	.7	.1							5.0	6.5
W	1.9	3.2	3.5	3.3	.7	.2	.0					12.7	8.7
WNW	1.0	2.0	3.5	3.7	1.3	.5	.0					12.0	10.8
NW	1.0	1.9	3.3	3.1	.8	.2	.1					10.4	9.9
NNW	.9	1.5	1.8	1.5	.3	.1						6.0	8.5
VARBL													
CALM												14.8	
	17.4	23.1	23.6	16.4	3.6	1.0	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 7435

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724096 MCGUIRE AFB TX 73-82 ALL
STATION STATION NAME YEARS DATA
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.3	1.8	.8	.1	.0	.0					6.6	6.5
NNE	.7	1.2	.9	.3	.0	.0						3.2	6.4
NE	.9	1.2	.9	.3	.0	.0						3.3	5.9
ENE	.8	1.0	.9	.3	.0	.0	.0					3.0	6.1
E	1.2	1.4	1.0	.2	.0	.0						3.8	5.4
ESE	.9	.8	.3	.0	.0							2.7	4.4
SE	.9	.8	.4	.0	.0							2.0	4.4
SSE	1.2	1.1	.5	.1								2.8	4.4
S	2.9	2.8	1.3	.3	.0	.0						7.3	4.7
SSW	2.3	2.5	1.4	.3	.0	.0	.0					6.4	5.0
SW	1.9	2.4	1.5	.5	.1	.0	.0					6.4	5.7
WSW	1.4	2.0	1.6	.6	.1	.0	.0					5.8	6.5
W	1.8	3.1	2.9	1.9	.5	.1	.0	.0				10.3	7.9
WNW	1.1	2.0	2.6	2.3	.6	.2	.0	.0				8.9	9.4
NW	.9	1.9	2.4	2.0	.4	.1	.0	.0				7.8	8.9
NNW	1.0	1.6	1.6	1.2	.2	.1	.0					5.6	8.0
VARBL			.0									.0	9.0
CALM												14.7	
	21.4	28.0	21.9	11.3	2.1	.6	.1	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 87626

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

724796 STATION 73-82 YEARS 111 MONTHS

INSTRUMENT
CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.4	1.4	.1	.0	.0					7.1	7.6
NNE	.8	2.0	2.4	1.2	.2	.0						6.6	7.8
NE	1.5	2.8	3.3	1.4	.1	.0						9.2	7.3
ENE	1.5	2.9	3.4	1.3	.2	.0	.0					9.3	7.3
E	2.2	3.7	3.1	.9	.1	.0						10.2	6.2
ESE	1.3	1.4	.7	.2	.0							3.6	5.0
SE	1.4	1.2	.9	.2	.0							3.7	5.0
SSE	1.3	1.5	1.0	.3								4.2	5.3
S	2.6	2.8	2.0	.8	.1	.0						8.3	6.0
SSW	2.0	1.8	1.2	.3	.0							5.3	5.1
SW	1.4	1.6	1.0	.3								4.4	5.4
WSW	1.0	1.2	.8	.3	.0	.0						3.4	5.9
W	1.2	1.3	1.0	.4	.1	.0	.0	.0				4.2	6.7
WNW	.6	.8	.6	.5	.1	.0	.0					2.6	7.7
NW	.5	.7	.7	.4	.1	.0						2.8	7.7
NNW	.5	.8	.8	.4	.0	.0	.0					2.6	7.3
VARBL													
CALM												13.3	
	20.9	28.6	25.3	10.2	1.3	.3	.1	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 11380

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	≥ 0
NO CEILING																
IV 1800																
IV 1500					91.0											92.6
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500										97.4						98.1
IV 400																
IV 300																
IV 200																
IV 100																
IV 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFH FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1990-1999

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	23.1	48.9	49.7	49.8	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 20000	24.5	52.6	53.4	53.5	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 18000	24.5	52.7	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 16000	24.5	52.7	53.5	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2
≥ 14000	24.6	53.1	54.0	54.1	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6
≥ 12000	25.3	54.0	54.8	54.9	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5
≥ 10000	26.1	56.3	57.3	57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1
≥ 9000	26.1	56.7	57.6	57.8	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4
≥ 8000	27.6	58.8	59.9	60.1	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8
≥ 7000	28.1	60.5	61.6	61.8	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5
≥ 6000	29.1	62.5	63.7	63.9	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5
≥ 5000	29.5	64.7	66.1	66.6	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3
≥ 4500	31.0	69.1	70.5	71.3	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
≥ 4000	31.7	71.5	72.9	74.0	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.1	75.1
≥ 3500	32.7	73.7	75.1	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4
≥ 3000	33.9	75.5	77.0	78.3	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7
≥ 2500	34.0	76.7	78.2	79.5	80.1	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9
≥ 2000	34.4	78.3	80.0	81.3	81.9	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8
≥ 1800	34.5	78.4	80.1	81.4	82.0	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9
≥ 1500	34.8	79.8	81.7	83.0	83.7	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8
≥ 1200	34.9	80.1	82.3	84.3	85.1	85.8	86.1	86.2	86.2	86.2	86.3	86.6	86.6	86.8	86.9	86.9
≥ 1000	34.9	80.6	82.9	84.9	85.8	86.6	86.9	87.0	87.0	87.1	87.4	87.4	87.4	87.6	87.7	87.7
≥ 900	34.9	80.8	83.0	85.1	86.2	87.0	87.3	87.4	87.4	87.5	87.8	87.8	87.8	88.1	88.2	88.2
≥ 800	34.9	81.5	83.9	85.9	87.1	88.0	88.6	88.7	89.0	89.1	89.5	89.5	89.7	89.7	89.8	89.8
≥ 700	35.1	81.8	84.3	86.3	87.5	88.4	89.1	89.5	89.8	89.9	90.2	90.2	90.4	90.4	90.8	90.8
≥ 600	35.1	81.9	84.4	86.5	87.7	88.7	89.6	89.9	90.2	90.3	91.0	91.0	91.2	91.2	91.5	91.5
≥ 500	35.1	82.2	84.9	87.2	88.9	90.0	91.0	91.3	91.8	92.2	93.0	93.0	93.2	93.2	93.7	93.7
≥ 400	35.2	82.6	85.7	88.1	89.9	91.0	92.2	92.5	93.0	93.4	94.3	94.3	94.5	94.5	94.9	95.1
≥ 300	35.2	82.7	86.0	88.5	90.4	91.8	93.9	94.2	94.9	95.4	96.2	96.2	96.5	96.5	97.0	97.2
≥ 200	35.2	82.7	86.7	88.5	90.5	92.0	94.5	94.9	95.7	96.1	97.2	97.2	97.7	97.7	98.4	98.8
≥ 100	35.2	82.7	86.7	88.5	90.6	92.2	94.7	95.2	95.9	96.5	97.6	97.7	98.3	98.4	99.1	99.9
≥ 0	35.2	82.7	86.0	88.5	90.6	92.2	94.7	95.2	95.9	96.5	97.6	97.7	98.3	98.4	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 1200 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724 196
STATION

MCGUIPE AFB NJ

73-82

YEARS

JAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-2500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.7	47.2	48.1	48.4	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5
≥ 20000	23.9	50.8	51.7	52.0	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1
≥ 18000	23.9	51.1	52.0	52.4	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.8
≥ 16000	23.7	51.1	52.0	52.4	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.8
≥ 14000	23.9	51.4	52.4	52.7	53.5	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	54.1
≥ 12000	24.3	52.4	53.3	53.7	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	55.1
≥ 10000	25.2	54.8	55.8	56.1	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.5
≥ 9000	25.3	55.3	56.2	56.6	57.4	57.4	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	58.0
≥ 8000	26.3	57.0	58.1	58.4	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.8
≥ 7000	27.0	58.2	59.4	59.7	60.5	60.5	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	61.1
≥ 6000	27.7	59.4	60.5	60.9	61.7	61.7	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.4
≥ 5000	28.5	61.4	62.8	63.3	64.5	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.3
≥ 4500	28.9	65.7	67.2	68.0	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8	70.0
≥ 4000	30.3	67.4	69.1	70.0	71.4	71.5	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	72.0	72.3
≥ 3500	31.4	70.2	72.2	73.0	74.7	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.6
≥ 3000	31.7	72.3	74.4	75.3	77.1	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	78.1
≥ 2500	32.2	73.2	75.4	76.3	78.2	78.4	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.2
≥ 2000	32.7	74.6	76.8	78.0	79.9	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.4
≥ 1800	33.2	75.3	77.4	78.7	80.6	81.2	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.2
≥ 1500	33.2	75.9	78.2	79.6	81.6	82.2	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.4
≥ 1200	33.2	76.9	79.4	81.1	83.4	84.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.6
≥ 1000	33.4	78.0	80.4	82.4	84.7	85.6	86.6	86.8	86.9	86.9	86.9	87.1	87.1	87.2	87.3	87.5
≥ 900	33.4	78.0	80.4	82.4	84.8	85.7	86.7	87.1	87.2	87.2	87.2	87.4	87.4	87.5	87.6	87.8
≥ 800	33.4	78.4	80.9	83.1	85.7	86.8	87.8	88.5	88.6	88.6	88.6	88.8	88.8	88.8	89.2	89.5
≥ 700	33.4	78.6	81.1	83.3	86.3	87.5	88.6	89.2	89.4	89.5	89.7	89.7	89.7	90.0	90.1	90.4
≥ 600	33.4	78.8	81.4	83.7	86.8	88.0	89.1	89.8	89.9	90.2	90.6	90.6	90.6	91.0	91.1	91.4
≥ 500	33.4	79.0	81.8	84.2	87.6	89.0	90.3	91.3	91.4	91.7	92.4	92.4	92.4	92.8	92.9	93.2
≥ 400	33.4	79.2	82.4	85.1	88.6	90.2	91.7	92.7	92.8	93.1	93.9	93.9	93.9	94.4	94.6	94.9
≥ 300	33.4	79.2	82.5	85.3	88.9	90.8	92.5	93.9	94.0	94.5	95.3	95.3	95.3	96.1	96.3	96.7
≥ 200	33.5	79.4	82.6	85.4	89.0	90.9	93.0	94.9	95.2	96.0	97.0	97.0	97.1	98.0	98.3	98.9
≥ 100	33.5	79.4	82.6	85.4	89.0	90.9	93.0	94.9	95.2	96.1	97.2	97.3	97.3	98.5	99.0	99.9
≥ 0	33.5	79.4	82.6	85.4	89.0	90.9	93.0	94.9	95.2	96.1	97.2	97.3	97.3	98.5	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	20.0	42.5	43.3	44.1	44.6	44.7	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 20000	21.0	46.0	47.0	47.7	48.6	48.8	49.1	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	21.1	46.6	47.5	48.3	49.1	49.4	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 16000	21.1	46.7	47.6	48.4	49.2	49.5	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 14000	21.3	46.9	47.8	48.6	49.5	49.7	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000	21.5	47.7	48.7	49.5	50.3	50.5	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000	23.2	51.8	52.8	53.5	54.4	54.6	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	23.2	52.7	53.9	54.6	55.5	55.7	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	24.5	56.1	57.4	58.2	59.0	59.2	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	24.8	57.0	58.3	59.0	59.9	60.1	60.6	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	25.6	58.9	60.2	61.0	61.8	62.0	62.6	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	26.2	60.9	62.2	63.3	64.4	64.9	65.5	65.6	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500	26.9	63.9	65.6	66.8	67.8	68.5	69.1	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 4000	28.7	66.1	67.8	69.2	70.5	71.3	72.2	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500	28.9	68.5	70.2	71.7	73.1	73.9	74.7	74.8	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000	29.8	70.6	72.6	74.2	75.7	76.5	77.4	77.6	77.6	78.0	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500	30.2	71.8	74.1	75.7	77.3	78.2	79.4	79.6	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	30.6	73.0	75.4	77.0	78.6	79.5	80.8	81.0	81.0	81.3	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1800	30.3	73.3	75.7	77.4	79.0	79.9	81.2	81.4	81.4	81.7	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	31.4	75.1	77.4	79.1	80.9	81.7	83.0	83.2	83.2	83.5	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1200	31.5	75.6	78.0	79.7	81.4	82.3	83.7	83.9	83.9	84.2	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	31.9	76.8	79.2	81.0	82.7	83.7	85.1	85.3	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	31.8	76.8	79.2	81.2	83.0	84.0	85.4	85.6	85.6	85.9	86.2	86.2	86.3	86.3	86.6	86.6
≥ 800	31.8	76.9	79.4	81.4	83.4	84.5	85.9	86.1	86.1	86.6	86.9	86.9	87.1	87.1	87.3	87.3
≥ 700	31.8	77.2	79.7	81.9	84.4	85.6	87.1	87.3	87.4	87.8	88.2	88.2	88.5	88.5	88.7	88.7
≥ 600	31.8	77.7	80.3	82.8	85.7	87.1	88.9	89.1	89.6	90.1	90.5	90.5	90.9	90.9	91.1	91.1
≥ 500	31.8	78.0	80.8	83.2	86.3	88.1	90.5	91.3	91.7	92.5	92.9	92.9	93.2	93.2	93.4	93.4
≥ 400	31.8	78.0	80.9	83.3	86.5	88.5	91.2	92.6	93.0	93.8	94.2	94.2	94.6	94.6	94.8	94.8
≥ 300	31.9	78.1	81.1	83.5	86.7	88.7	91.5	93.7	94.3	95.3	96.1	96.1	97.1	97.1	97.3	97.3
≥ 200	31.9	78.1	81.0	83.5	86.8	88.8	92.0	94.2	95.1	96.0	96.9	97.1	98.5	98.6	98.9	98.9
≥ 100	31.9	78.1	81.0	83.5	86.8	88.8	92.0	94.3	95.2	96.1	97.1	97.4	99.0	99.2	99.6	100.0
≥ 0	31.9	78.1	81.0	83.5	86.8	88.8	92.0	94.3	95.2	96.1	97.1	97.4	99.0	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2922-1122

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING	19.8	43.3	44.7	44.5	45.1	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	22.0	49.9	50.6	50.9	51.4	51.5	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	22.0	49.9	51.1	51.3	51.8	51.9	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 16000	22.0	49.9	51.1	51.3	51.8	51.9	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 14000	22.0	50.1	51.3	51.5	52.2	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 12000	22.9	51.1	52.3	52.5	53.1	53.2	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 10000	24.3	55.4	56.8	57.0	57.6	57.7	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 9000	24.3	56.3	57.7	58.0	58.6	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 8000	26.2	61.3	63.0	63.2	64.0	64.1	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	27.1	63.2	64.9	65.2	65.9	66.0	66.6	66.7	66.7	66.7	66.8	66.8	66.8	66.9	66.9	66.9
≥ 6000	27.8	64.3	66.0	66.2	67.0	67.1	67.6	67.7	67.7	67.8	67.8	67.8	67.8	68.0	68.0	68.0
≥ 5000	28.6	66.5	68.2	68.5	69.5	69.6	70.1	70.2	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.4
≥ 4500	29.9	68.2	70.1	70.4	71.4	71.5	72.0	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4
≥ 4000	30.3	71.0	73.1	73.7	74.8	74.9	75.5	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.9	75.8
≥ 3500	31.1	72.8	74.9	75.5	76.8	76.9	77.4	77.5	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7
≥ 3000	32.2	74.8	77.1	78.0	79.6	79.7	80.2	80.3	80.4	80.5	80.5	80.5	80.8	80.8	80.8	80.8
≥ 2500	32.3	75.9	78.3	79.2	81.0	81.2	81.7	81.8	81.9	82.0	82.2	82.2	82.5	82.5	82.5	82.5
≥ 2000	32.5	76.3	78.7	79.8	81.5	81.7	82.4	82.5	82.6	82.8	83.0	83.0	83.3	83.3	83.3	83.3
≥ 1800	32.5	76.9	79.2	80.3	82.0	82.3	82.9	83.0	83.1	83.3	83.5	83.5	83.9	83.9	83.9	83.9
≥ 1500	33.0	78.7	81.2	82.4	84.4	84.6	85.4	85.5	85.6	85.8	86.0	86.0	86.3	86.3	86.3	86.3
≥ 1200	33.1	79.5	82.2	83.3	85.4	85.7	86.5	86.6	86.8	87.0	87.2	87.2	87.5	87.5	87.5	87.5
≥ 1000	33.2	79.7	82.4	84.1	86.3	86.9	87.8	88.0	88.2	88.5	88.7	88.7	89.0	89.0	89.0	89.0
≥ 900	33.2	79.8	82.7	84.7	87.0	87.5	88.5	88.6	88.8	89.1	89.4	89.4	89.7	89.7	89.7	89.7
≥ 800	33.2	80.0	83.0	85.2	87.5	88.1	89.2	89.5	89.7	90.0	90.5	90.5	91.2	91.2	91.2	91.2
≥ 700	33.2	80.1	83.1	85.4	87.8	88.7	90.0	90.2	90.6	91.1	91.6	91.6	92.3	92.3	92.3	92.3
≥ 600	33.2	80.5	83.7	86.0	88.5	89.9	91.7	91.9	92.5	93.1	93.7	93.7	94.4	94.4	94.4	94.4
≥ 500	33.2	80.5	83.8	86.2	88.8	90.2	92.4	92.9	93.4	94.1	94.7	94.7	95.6	95.6	95.6	95.6
≥ 400	33.2	80.8	84.0	86.6	89.2	91.1	93.3	94.1	94.7	95.5	96.2	96.2	97.2	97.2	97.2	97.2
≥ 300	33.2	80.8	84.0	86.7	89.4	91.4	93.9	94.8	95.6	96.7	97.6	97.6	98.6	98.7	98.7	98.7
≥ 200	33.2	80.8	84.0	86.8	89.5	91.5	94.0	95.1	95.9	97.0	98.1	98.2	99.1	99.2	99.5	99.6
≥ 100	33.2	80.8	84.0	86.8	89.5	91.5	94.0	95.1	95.9	97.0	98.1	98.2	99.1	99.2	99.6	99.9
≥ 0	33.2	80.8	84.0	86.8	89.5	91.5	94.0	95.1	95.9	97.0	98.1	98.2	99.1	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

1A

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1222-1430

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	20.3	40.5	41.3	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	23.7	47.3	48.2	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 18000	24.3	48.1	48.9	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	24.0	48.1	48.9	49.7	49.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	24.3	48.4	49.2	50.0	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 12000	25.8	50.4	51.3	52.0	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 10000	27.3	54.7	55.8	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	27.1	56.0	57.1	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 8000	28.5	60.9	62.2	63.0	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 7000	29.7	61.9	63.4	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	29.4	62.7	64.4	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	30.5	65.2	66.9	67.7	67.7	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500	31.3	67.7	69.6	70.4	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000	32.5	71.1	73.0	73.9	73.9	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	33.3	72.5	74.6	75.5	75.6	76.2	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000	34.2	75.8	78.1	79.0	79.1	79.8	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2500	35.1	77.7	80.0	81.0	81.5	82.2	82.6	82.9	82.9	83.0	83.1	83.1	83.3	83.3	83.3	83.3
≥ 2000	35.9	78.8	81.1	82.2	82.8	83.4	84.0	84.3	84.3	84.5	84.7	84.7	84.9	84.9	84.9	84.9
≥ 1800	35.8	79.1	81.4	82.5	83.1	83.8	84.3	84.6	84.6	84.8	85.1	85.1	85.3	85.3	85.3	85.3
≥ 1500	36.1	80.0	82.6	83.9	84.7	85.4	86.1	86.5	86.5	86.9	87.1	87.1	87.3	87.3	87.3	87.3
≥ 1200	36.2	80.2	82.9	84.7	85.8	86.5	87.2	87.6	87.6	88.2	88.4	88.4	88.6	88.6	88.6	88.6
≥ 1000	36.6	81.2	84.0	86.3	87.5	88.2	89.0	89.5	89.6	90.2	90.5	90.6	90.9	90.9	90.9	90.9
≥ 900	36.6	81.2	84.0	86.3	87.6	88.3	89.2	89.7	89.8	90.4	90.9	91.0	91.2	91.2	91.2	91.2
≥ 800	36.6	81.3	84.1	86.7	88.3	89.1	90.1	90.5	90.9	91.6	92.3	92.4	92.6	92.6	92.6	92.6
≥ 700	36.7	81.4	84.2	86.8	88.5	89.4	90.3	91.0	91.3	92.2	92.9	93.0	93.2	93.4	93.4	93.4
≥ 600	36.8	81.7	84.5	87.2	89.2	90.3	91.3	92.3	92.6	93.5	94.3	94.4	94.6	94.8	94.8	94.8
≥ 500	36.9	81.8	84.9	87.6	90.2	91.4	92.8	94.2	94.6	95.7	96.5	96.6	96.9	97.1	97.1	97.1
≥ 400	36.9	81.8	84.9	87.7	90.5	91.9	93.8	95.3	95.8	97.2	98.0	98.1	98.4	98.6	98.6	98.6
≥ 300	36.9	81.8	84.9	87.7	90.6	92.0	93.9	95.9	96.6	98.5	99.2	99.4	99.7	99.9	99.9	99.9
≥ 200	36.9	81.8	84.9	87.7	90.6	92.0	93.9	96.0	96.7	98.6	99.4	99.5	99.8	100.0	100.0	100.0
≥ 100	36.9	81.8	84.9	87.7	90.6	92.0	93.9	96.0	96.7	98.6	99.4	99.5	99.8	100.0	100.0	100.0
≥ U	36.9	81.8	84.9	87.7	90.6	92.0	93.9	96.0	96.7	98.6	99.4	99.5	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796 MCGUIRE AFB NJ

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1507-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.0	43.9	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 20000	24.7	49.6	50.5	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 18000	25.1	50.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 16000	25.2	50.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 14000	25.4	51.1	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	26.1	52.3	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 10000	27.6	55.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 9000	27.7	56.5	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	29.5	60.0	61.2	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 7000	29.9	61.0	62.3	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	30.5	62.0	63.3	63.5	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	32.3	64.9	66.3	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	32.8	67.0	68.7	68.9	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	33.7	69.8	71.5	71.9	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	34.3	72.0	73.9	74.3	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	34.5	74.6	76.9	77.4	78.1	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	35.2	76.5	79.0	79.8	80.4	81.2	81.3	81.5	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	36.0	77.8	80.4	81.2	82.0	82.8	82.9	83.1	83.1	83.2	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	36.3	78.5	81.1	81.8	82.8	83.5	83.7	83.9	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500	36.8	79.0	82.2	83.0	84.1	84.8	85.1	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	37.0	79.7	83.0	84.0	85.3	86.0	86.2	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1000	37.6	80.8	84.1	85.4	86.9	87.6	88.0	88.6	88.7	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	37.6	80.8	84.1	85.5	87.1	87.8	88.2	88.9	89.0	89.5	89.7	89.7	89.7	89.7	89.7	89.7
≥ 800	37.6	81.1	84.4	85.9	87.6	88.5	89.1	90.0	90.2	90.9	91.2	91.2	91.2	91.4	91.4	91.4
≥ 700	37.8	81.7	85.1	86.6	88.4	89.5	90.2	91.1	91.3	92.0	92.4	92.4	92.5	92.7	92.7	92.7
≥ 600	37.8	81.9	85.6	87.3	89.7	91.0	92.2	93.1	93.3	94.2	94.5	94.5	94.6	94.8	94.8	94.8
≥ 500	38.0	82.4	86.0	88.0	91.3	92.7	94.2	95.2	95.4	96.3	96.8	96.8	97.0	97.2	97.2	97.2
≥ 400	38.0	82.5	86.1	88.1	91.6	93.0	94.8	95.9	96.3	97.3	97.8	97.8	98.2	98.4	98.4	98.4
≥ 300	38.0	82.6	86.2	88.2	91.7	93.3	95.4	96.5	96.9	97.8	98.5	98.5	98.9	99.1	99.1	99.1
≥ 200	38.0	82.6	86.2	88.2	91.7	93.3	95.4	96.5	96.9	98.0	98.9	99.0	99.5	99.7	99.7	99.8
≥ 100	38.0	82.6	86.2	88.2	91.7	93.3	95.4	96.5	96.9	98.0	98.9	99.0	99.5	99.7	99.8	100.0
≥ 0	38.0	82.6	86.2	88.2	91.7	93.3	95.4	96.5	96.9	98.0	98.9	99.0	99.5	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774-96

MCGUIRE AFB NJ

73-82

1A

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1837-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	24.1	53.1	57.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	26.7	55.8	56.7	56.2	56.2	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	26.8	56.1	56.3	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9
≥ 16000	26.8	56.1	56.3	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9
≥ 14000	26.9	56.2	56.5	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0
≥ 12000	27.1	56.9	57.1	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6
≥ 10000	29.5	60.0	60.7	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8
≥ 9000	29.5	60.3	60.5	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2
≥ 8000	30.8	63.8	64.3	64.3	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.6
≥ 7000	31.1	65.1	65.3	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9	65.9	65.9
≥ 6000	31.4	66.0	66.2	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9
≥ 5000	32.7	68.1	68.3	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9
≥ 4500	32.7	70.3	70.9	71.3	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
≥ 4000	33.2	72.5	73.1	73.7	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1	74.1
≥ 3500	34.1	75.4	76.1	76.8	76.9	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4
≥ 3000	34.7	77.6	78.5	79.2	79.6	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2
≥ 2500	35.3	79.5	80.3	81.1	81.4	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0
≥ 2000	35.9	80.5	81.6	82.4	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9
≥ 1800	36.0	80.8	81.9	82.7	83.3	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2
≥ 1500	36.0	81.1	82.6	83.5	84.3	84.8	85.2	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5
≥ 1200	36.3	81.7	83.4	84.4	85.2	85.7	86.1	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5
≥ 1000	36.8	82.4	84.3	85.3	86.1	86.7	87.3	87.6	87.6	87.6	87.6	87.6	88.1	88.2	88.2	88.2
≥ 900	36.9	83.2	85.3	86.6	87.6	88.3	88.9	89.4	89.4	89.4	89.4	89.4	89.9	90.0	90.0	90.0
≥ 800	37.1	83.9	85.9	87.3	88.8	89.6	90.4	91.0	91.1	91.1	91.1	91.1	91.6	91.7	91.7	91.7
≥ 700	37.2	84.3	86.5	87.8	89.7	90.4	91.3	91.9	92.0	92.0	92.0	92.0	92.6	92.7	92.7	92.7
≥ 600	37.2	84.8	87.1	88.7	90.6	91.6	92.5	93.4	93.5	93.5	93.5	93.5	94.3	94.4	94.4	94.4
≥ 500	37.2	85.2	87.4	89.4	91.5	92.7	93.7	94.7	94.8	94.8	94.8	94.8	95.9	96.0	96.0	96.0
≥ 400	37.2	85.3	87.6	89.8	92.3	93.5	95.1	96.2	96.3	96.3	96.3	96.3	97.3	97.4	97.4	97.4
≥ 300	37.2	85.4	87.7	89.9	92.6	94.0	95.5	96.8	97.2	97.2	97.2	97.2	98.3	98.4	98.4	98.4
≥ 200	37.2	85.4	87.7	89.9	92.6	94.0	95.5	97.1	97.5	97.5	97.5	97.5	98.1	98.7	98.7	98.7
≥ 100	37.2	85.4	87.7	89.9	92.6	94.0	95.5	97.1	97.5	97.5	97.5	97.5	98.1	98.7	98.7	98.7
≥ 50	37.2	85.4	87.7	89.9	92.6	94.0	95.5	97.1	97.5	97.5	97.5	97.5	98.1	98.7	98.7	98.7
≥ 20	37.2	85.4	87.7	89.9	92.6	94.0	95.5	97.1	97.5	97.5	97.5	97.5	98.1	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724-96

MCGUIRE AFB NJ

73-82

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

210-2322

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	24.2	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 20000	27.5	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	27.5	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 16000	27.5	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 14000	27.6	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 12000	28.0	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	28.9	59.2	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 9000	29.1	59.8	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	30.1	61.7	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	30.5	63.3	63.5	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	31.0	64.8	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 5000	31.7	67.3	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 4500	33.3	71.3	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	34.6	75.1	75.9	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3500	34.9	77.5	78.5	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6
≥ 3000	35.6	79.8	80.1	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3
≥ 2500	35.7	80.1	81.6	82.6	82.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
≥ 2000	36.7	80.8	82.6	83.5	83.8	84.0	84.1	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3
≥ 1800	36.7	81.1	83.7	84.0	84.3	84.5	84.6	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
≥ 1500	36.3	81.9	84.1	85.2	85.7	85.9	86.1	86.3	86.3	86.3	86.3	86.7	86.8	86.8	86.8	86.8
≥ 1200	36.3	82.4	84.6	85.7	86.3	86.6	86.8	87.1	87.1	87.2	87.5	87.6	87.6	87.6	87.6	87.6
≥ 1000	36.5	82.7	85.2	86.2	87.0	87.3	87.5	88.2	88.4	88.8	89.2	89.4	89.5	89.5	89.6	89.6
≥ 900	36.6	83.2	85.8	87.1	88.3	88.6	88.8	89.5	89.8	90.2	90.6	90.8	90.9	91.0	91.0	91.0
≥ 800	36.6	83.2	85.9	87.3	88.5	88.9	89.4	90.0	90.3	90.8	91.3	91.4	91.5	91.5	91.6	91.6
≥ 700	36.7	83.3	86.1	87.5	88.8	89.2	89.7	90.3	90.9	91.4	91.9	92.0	92.4	92.4	92.6	92.6
≥ 600	36.7	83.5	86.5	87.8	89.2	89.9	90.3	91.1	91.6	92.2	92.7	92.8	93.1	93.1	93.3	93.3
≥ 500	36.7	83.9	86.9	88.3	89.8	90.5	91.2	91.9	92.5	93.3	94.1	94.2	94.5	94.5	94.7	94.7
≥ 400	36.9	84.2	87.3	88.7	91.0	91.8	93.0	93.9	94.4	95.3	96.0	96.1	96.5	96.5	96.7	96.7
≥ 300	36.8	84.2	87.3	88.7	91.1	92.4	93.8	94.7	95.4	96.2	97.1	97.2	97.5	97.5	97.7	97.7
≥ 200	36.7	84.2	87.3	88.8	91.2	92.5	94.1	95.2	95.8	96.7	97.8	98.0	98.5	98.6	98.9	98.9
≥ 100	36.3	84.2	87.3	88.8	91.2	92.5	94.2	95.3	95.9	96.8	98.0	98.1	98.9	99.1	99.5	99.8
≥ 0	36.3	84.2	87.3	88.8	91.2	92.5	94.2	95.3	95.9	96.8	98.0	98.1	98.9	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 937

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774296

MCGUIRE AFB NJ

73-82

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	22.1	45.8	46.5	46.8	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥20000	24.2	51.0	51.3	52.1	52.4	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥18000	24.4	51.4	52.2	52.5	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2
≥16000	24.4	51.5	52.3	52.6	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥14000	24.5	51.7	52.6	52.9	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.6
≥12000	25.1	52.3	53.6	53.9	54.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6
≥10000	26.5	56.0	56.9	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
≥9000	26.5	56.7	57.5	58.0	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥8000	27.9	59.9	61.0	61.3	61.7	61.8	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥7000	28.4	61.3	62.4	62.7	63.1	63.2	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.6
≥6000	29.1	62.6	63.7	64.1	64.4	64.6	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.0
≥5000	29.9	64.9	66.1	66.5	67.0	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6
≥4500	30.7	67.9	69.3	69.9	70.4	70.7	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥4000	31.3	70.6	72.1	72.8	73.5	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2
≥3500	32.6	72.8	74.4	75.3	76.0	76.3	76.6	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8
≥3000	33.3	75.0	76.8	77.8	78.6	79.0	79.3	79.4	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6
≥2500	33.7	76.4	78.4	79.4	80.3	80.8	81.2	81.3	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6
≥2000	34.2	77.5	79.6	80.7	81.7	82.2	82.7	82.8	82.8	82.9	83.0	83.1	83.1	83.1	83.2	83.2
≥1800	34.4	77.9	80.0	81.1	82.2	82.7	83.2	83.3	83.3	83.4	83.5	83.5	83.6	83.6	83.7	83.7
≥1600	34.7	78.9	81.2	82.5	83.7	84.2	84.8	85.0	85.0	85.2	85.3	85.4	85.5	85.5	85.5	85.5
≥1400	34.8	79.5	82.0	83.4	84.7	85.3	86.0	86.2	86.3	86.4	86.6	86.6	86.7	86.7	86.8	86.8
≥1200	35.1	80.3	82.8	84.4	85.9	86.6	87.3	87.6	87.7	88.0	88.3	88.3	88.4	88.4	88.5	88.5
≥1000	35.1	80.5	83.1	84.9	86.5	87.2	87.9	88.3	88.4	88.7	89.0	89.0	89.2	89.2	89.2	89.3
≥900	35.2	80.8	83.4	85.3	87.1	87.9	88.8	89.3	89.5	89.9	90.3	90.3	90.5	90.6	90.6	90.6
≥800	35.2	81.1	83.8	85.7	87.7	88.6	89.5	90.1	90.3	90.8	91.2	91.2	91.5	91.6	91.7	91.7
≥700	35.3	81.4	84.2	86.3	88.4	89.6	90.7	91.3	91.7	92.2	92.7	92.7	93.0	93.1	93.2	93.2
≥600	35.3	81.6	84.6	86.8	89.3	90.6	92.0	92.6	93.2	93.9	94.5	94.6	94.9	95.0	95.1	95.1
≥500	35.3	81.8	84.9	87.2	89.9	91.4	93.1	94.1	94.6	95.3	96.0	96.0	96.4	96.5	96.6	96.7
≥400	35.3	81.8	85.1	87.3	90.2	91.8	93.8	95.1	95.6	96.5	97.3	97.3	97.9	98.0	98.1	98.2
≥300	35.3	81.9	85.1	87.4	90.2	91.9	94.0	95.5	96.1	97.1	98.0	98.1	98.8	99.0	99.2	99.3
≥200	35.3	81.9	85.0	87.4	90.3	91.9	94.1	95.5	96.1	97.1	98.1	98.3	99.1	99.3	99.6	99.9
≥100	35.3	81.9	85.3	87.4	90.3	91.9	94.1	95.5	96.1	97.1	98.1	98.3	99.1	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

704796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000
CUT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	24.9	55.3	55.7	55.9	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7
≥ 20000	27.0	59.1	59.5	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5
≥ 18000	27.3	59.5	59.8	60.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9
≥ 16000	27.3	59.5	59.8	60.0	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9
≥ 14000	27.4	59.6	59.9	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0
≥ 12000	27.7	60.2	60.5	60.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6
≥ 10000	28.4	63.0	63.5	63.7	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7
≥ 9000	28.7	63.5	63.9	64.2	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
≥ 8000	30.6	66.3	66.8	67.0	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.0	68.0
≥ 7000	30.9	67.3	67.7	68.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9
≥ 6000	31.1	68.1	68.7	68.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9
≥ 5000	31.9	69.7	70.4	70.8	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.9	71.9
≥ 4500	33.2	72.5	73.4	73.8	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8
≥ 4000	33.9	74.2	75.4	75.9	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.1	77.1
≥ 3500	34.3	75.7	76.8	77.3	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.1	79.1
≥ 3000	34.6	77.8	79.3	79.9	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0	82.0
≥ 2500	34.9	78.5	80.3	80.9	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1
≥ 2000	35.1	79.2	81.0	81.6	83.7	83.8	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4
≥ 1800	35.2	79.4	81.2	81.8	83.9	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.6	84.6
≥ 1500	35.3	80.0	81.9	82.6	84.8	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.6	85.6
≥ 1200	35.7	80.5	82.4	83.1	85.3	85.5	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.2	86.2
≥ 1000	36.1	81.1	83.1	84.2	86.4	86.5	87.0	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.8	87.8
≥ 900	36.2	81.4	83.6	84.6	86.9	87.4	87.8	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.7	88.7
≥ 800	36.3	81.6	84.2	85.3	87.8	88.3	89.1	89.7	89.7	89.8	89.8	89.8	89.8	89.8	90.1	90.1
≥ 700	36.3	81.7	84.6	85.9	88.4	89.0	89.8	90.5	90.5	90.7	90.7	90.7	90.7	90.9	90.9	91.0
≥ 600	36.3	81.7	84.6	86.1	88.5	89.2	90.1	90.9	90.9	91.0	91.0	91.0	91.0	91.3	91.3	91.6
≥ 500	36.3	81.7	84.8	86.2	88.9	89.6	90.4	91.5	91.5	91.7	92.0	92.0	92.0	92.2	92.2	92.6
≥ 400	36.3	81.7	84.8	86.4	89.5	90.4	91.5	92.8	92.8	93.0	93.3	93.3	93.3	93.5	93.5	93.9
≥ 300	36.3	81.7	84.8	86.8	90.2	91.4	92.8	94.4	94.4	94.8	95.3	95.3	95.3	95.5	95.5	95.9
≥ 200	36.3	81.7	84.8	86.9	90.3	91.5	93.0	94.9	94.9	95.7	96.6	96.6	96.6	97.3	97.5	98.9
≥ 100	36.3	81.7	84.8	86.9	90.3	91.5	93.0	95.0	95.2	96.0	96.9	96.9	96.9	97.6	98.1	99.9
≥ 0	36.3	81.7	84.8	86.9	90.3	91.5	93.0	95.0	95.2	96.0	96.9	96.9	96.9	97.6	98.1	99.9

TOTAL NUMBER OF OBSERVATIONS 896

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296

MCGUIRE AFB NJ

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 7	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000	25.1	54.5	54.6	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7
≥ 18000 ≥ 6000	25.9	57.3	57.6	58.2	58.5	58.9	59.0	59.0	59.0	59.0	59.0	59.1	59.2	59.2	59.2	59.2
≥ 14000 ≥ 12000	26.1	57.6	57.8	58.4	58.7	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.5	59.5	59.5	59.5
≥ 10000 ≥ 9000	26.1	57.7	57.9	58.5	58.9	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.5	59.6	59.6	59.6
≥ 8000 ≥ 7000	26.4	58.0	58.3	58.9	59.2	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9
≥ 6000 ≥ 5000	27.0	58.7	59.0	59.6	59.9	60.3	60.4	60.4	60.4	60.4	60.4	60.5	60.6	60.6	60.6	60.6
≥ 4500 ≥ 4000	27.9	61.2	61.7	62.4	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.5	63.6	63.6	63.6	63.6
≥ 3500 ≥ 3000	27.9	61.6	62.1	62.8	63.2	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.9	63.9	63.9	63.9
≥ 2500 ≥ 2000	29.3	64.8	65.2	66.1	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.1	67.3	67.3	67.3	67.3
≥ 1800 ≥ 1500	29.7	65.5	66.0	66.8	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.8	68.0	68.0	68.0	68.0
≥ 1200 ≥ 1000	30.1	66.7	67.1	68.0	68.4	68.8	68.9	68.9	68.9	68.9	68.9	69.0	69.1	69.1	69.1	69.1
≥ 900 ≥ 800	31.3	68.3	69.0	69.9	70.3	70.7	70.8	70.8	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0
≥ 700 ≥ 600	32.7	70.7	71.4	72.3	72.8	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.5	73.5	73.5	73.5
≥ 500 ≥ 400	33.3	72.6	73.5	74.5	74.9	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.7	75.7	75.7	75.7
≥ 300 ≥ 200	34.2	74.3	75.4	76.4	76.8	77.2	77.3	77.3	77.3	77.3	77.3	77.4	77.5	77.5	77.5	77.5
≥ 100 ≥ 0	34.8	77.0	78.0	79.0	79.4	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.3	80.3	80.3	80.3
≥ 0	34.9	77.8	79.1	80.1	80.6	81.1	81.3	81.3	81.3	81.3	81.3	81.4	81.6	81.6	81.6	81.6
≥ 0	35.1	79.0	80.5	81.8	82.6	83.3	83.6	83.7	83.7	83.7	83.7	83.8	83.9	83.9	83.9	83.9
≥ 0	35.2	79.1	80.6	81.9	82.7	83.5	83.8	83.9	83.9	83.9	83.9	84.0	84.2	84.2	84.2	84.2
≥ 0	35.2	79.4	81.0	82.4	83.3	84.2	84.5	84.6	84.6	84.6	84.6	84.8	84.9	84.9	84.9	84.9
≥ 0	35.6	80.3	81.8	83.2	84.2	85.0	85.3	85.5	85.5	85.5	85.5	85.6	85.7	85.7	85.7	85.7
≥ 0	35.8	81.0	82.6	84.0	85.0	85.8	86.3	86.6	86.6	86.6	86.6	86.8	86.9	86.9	86.9	86.9
≥ 0	35.8	81.4	83.1	84.5	85.7	86.6	87.1	87.5	87.5	87.5	87.5	87.8	87.9	87.9	87.9	87.9
≥ 0	35.3	81.6	83.5	84.9	86.1	87.2	87.7	88.1	88.1	88.1	88.1	88.4	88.5	88.7	88.8	88.8
≥ 0	35.9	81.7	83.9	85.3	86.6	87.8	88.3	88.7	88.7	88.7	88.7	89.2	89.4	89.6	89.7	89.7
≥ 0	35.9	81.7	84.7	85.5	86.8	88.1	88.7	89.0	89.0	89.1	89.1	89.7	89.8	90.1	90.1	90.3
≥ 0	35.9	81.7	84.4	85.9	87.4	88.9	89.5	90.0	90.0	90.0	90.3	91.0	91.1	91.8	91.8	92.0
≥ 0	35.9	81.8	84.6	86.4	88.1	89.8	90.7	91.1	91.1	91.5	92.3	92.4	93.1	93.1	93.3	93.4
≥ 0	35.9	81.9	84.9	86.8	88.7	90.5	91.8	92.6	92.6	92.9	93.9	94.0	94.7	94.7	94.8	95.0
≥ 0	35.9	81.9	84.9	86.8	88.7	90.8	92.6	93.4	93.5	94.0	95.2	95.4	96.6	96.6	96.8	98.2
≥ 0	35.9	81.9	84.9	86.8	88.7	90.8	92.6	93.5	93.6	94.2	95.4	95.6	97.0	97.4	98.1	100.0
≥ 0	35.9	81.9	84.9	86.8	88.7	90.8	92.6	93.5	93.6	94.2	95.4	95.6	97.0	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 246

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MCGUIRE AFB NJ

STATION NAME

73-82

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	21.3	50.4	50.5	50.9	51.2	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	23.4	56.0	56.5	57.1	57.4	57.8	58.0	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000	23.9	56.5	57.0	57.6	57.9	58.3	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥ 16000	23.3	56.5	57.0	57.6	57.9	58.3	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥ 14000	23.9	56.7	57.2	57.8	58.2	58.5	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	59.7	59.0
≥ 12000	24.3	57.3	57.8	58.5	58.9	59.2	59.5	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8
≥ 10000	25.5	60.0	60.5	61.5	61.9	62.3	62.5	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.9	62.9
≥ 9000	25.7	60.5	61.0	61.9	62.4	62.9	63.1	63.2	63.2	63.4	63.5	63.5	63.5	63.5	63.6	63.6
≥ 8000	26.7	62.8	63.4	64.3	64.9	65.6	65.8	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.3	66.3
≥ 7000	27.4	64.5	65.1	66.1	66.7	67.4	67.6	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.1	68.1
≥ 6000	27.8	65.7	66.5	67.7	68.4	69.1	69.4	69.5	69.5	69.6	69.7	69.9	69.9	69.9	70.0	70.0
≥ 5000	29.2	68.4	69.3	70.4	71.2	71.9	72.1	72.2	72.2	72.5	72.6	72.7	72.7	72.7	72.8	72.8
≥ 4500	29.8	70.7	71.6	72.9	73.9	74.6	74.8	74.9	74.9	75.3	75.5	75.7	75.8	75.8	75.9	75.9
≥ 4000	30.9	72.3	73.4	74.7	75.8	76.5	76.8	77.0	77.0	77.3	77.5	77.7	77.8	77.8	77.9	77.9
≥ 3500	31.4	74.0	75.2	76.5	77.7	78.4	78.7	78.8	78.8	79.2	79.4	79.6	79.7	79.7	79.8	79.8
≥ 3000	31.9	75.4	76.8	78.3	79.6	80.3	80.6	80.7	80.7	81.1	81.3	81.4	81.6	81.6	81.7	81.7
≥ 2500	32.2	76.1	77.7	79.1	80.4	81.1	81.6	81.7	81.7	82.0	82.3	82.4	82.5	82.5	82.6	82.6
≥ 2000	32.9	77.8	79.6	81.1	82.6	83.5	84.0	84.2	84.2	84.5	84.8	84.9	85.0	85.0	85.1	85.1
≥ 1800	33.0	77.9	79.7	81.3	82.9	83.7	84.3	84.4	84.4	84.8	85.0	85.1	85.2	85.2	85.3	85.3
≥ 1500	33.1	78.5	80.4	82.0	83.6	84.5	85.2	85.6	85.6	85.9	86.2	86.3	86.4	86.4	86.5	86.5
≥ 1200	33.1	78.8	80.7	82.5	84.2	85.1	86.1	86.4	86.4	86.8	87.0	87.1	87.2	87.2	87.4	87.4
≥ 1000	33.1	79.0	81.3	83.2	84.9	85.9	86.9	87.2	87.2	87.7	88.1	88.2	88.4	88.4	88.5	88.5
≥ 900	33.1	79.6	81.9	83.9	85.8	87.0	88.1	88.4	88.4	88.9	89.2	89.4	89.6	89.8	90.0	90.1
≥ 800	33.1	79.7	82.2	84.2	86.4	87.7	88.8	89.4	89.4	89.8	90.2	90.3	90.7	90.9	91.1	91.3
≥ 700	33.1	79.7	82.5	84.6	86.9	88.2	89.2	89.8	89.8	90.3	90.7	90.8	91.1	91.4	91.6	91.7
≥ 600	33.1	79.7	82.6	84.8	87.1	88.4	89.5	90.1	90.1	90.5	90.9	91.0	91.4	91.6	92.0	92.1
≥ 500	33.1	79.7	82.7	85.1	87.7	89.2	90.4	91.1	91.1	91.7	92.1	92.2	92.7	93.0	93.4	93.5
≥ 400	33.1	79.9	83.0	85.3	88.1	89.7	91.1	91.8	92.1	92.7	93.0	93.1	93.7	94.1	94.4	94.6
≥ 300	33.1	79.9	83.0	85.5	88.2	89.8	91.4	92.2	92.6	93.4	94.0	94.1	94.8	95.2	95.5	95.7
≥ 200	33.1	79.9	83.0	85.5	88.3	90.0	91.7	92.8	93.3	94.2	95.0	95.2	96.5	96.8	97.2	98.1
≥ 100	33.1	79.9	83.0	85.5	88.3	90.0	91.7	92.8	93.3	94.2	95.2	95.3	96.7	97.0	98.1	99.6
≥ 0	33.1	79.9	83.0	85.5	88.3	90.0	91.7	92.8	93.3	94.2	95.2	95.3	96.7	97.0	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 846

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

FFB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.8	48.2	48.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	24.1	55.9	56.6	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000	24.9	56.8	57.5	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	24.9	56.8	57.5	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	25.1	57.3	58.0	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	25.6	58.9	59.6	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 10000	26.2	61.2	61.9	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 9000	26.5	61.8	62.6	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	27.6	64.5	65.6	66.3	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	29.2	65.7	66.9	67.8	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	29.5	67.7	69.0	69.9	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1
≥ 5000	30.3	69.3	70.9	72.0	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1
≥ 4500	30.9	71.6	73.1	74.4	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9
≥ 4000	32.5	74.3	76.3	77.4	78.7	78.8	79.1	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2
≥ 3500	33.5	76.3	78.1	79.6	80.9	81.1	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5
≥ 3000	34.0	78.2	80.0	81.5	83.0	83.1	83.4	83.4	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7
≥ 2500	34.0	79.6	80.4	81.9	83.4	83.6	83.9	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1
≥ 2000	34.1	79.8	80.6	82.1	84.0	84.1	84.5	84.5	84.6	84.7	84.7	84.9	84.9	84.9	84.9	84.9
≥ 1800	34.1	73.8	80.6	82.1	84.0	84.1	84.5	84.5	84.6	84.7	84.7	84.9	84.9	84.9	84.9	84.9
≥ 1500	34.3	80.2	82.0	83.6	85.6	85.7	86.2	86.2	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5
≥ 1200	34.9	80.4	82.1	83.7	85.7	85.9	86.6	86.7	86.9	87.0	87.0	87.1	87.1	87.1	87.1	87.1
≥ 1000	34.8	80.9	82.7	84.5	86.5	86.9	87.8	88.3	88.5	88.6	88.6	88.8	88.8	88.9	88.9	88.9
≥ 900	34.9	81.3	83.1	84.9	87.0	87.3	88.3	88.8	89.0	89.1	89.1	89.2	89.2	89.3	89.3	89.3
≥ 800	34.9	81.5	83.3	85.4	87.7	88.2	89.2	89.7	89.9	90.1	90.1	90.2	90.2	90.3	90.3	90.4
≥ 700	34.9	81.5	83.4	85.6	87.8	88.4	89.5	89.9	90.4	90.5	90.5	90.7	90.7	90.8	90.8	90.9
≥ 600	34.9	81.7	83.6	85.9	88.4	89.1	90.3	90.9	91.4	91.5	91.5	91.6	91.6	91.8	91.8	92.0
≥ 500	34.9	81.8	83.7	86.2	89.5	90.5	92.1	92.8	93.3	93.5	93.7	93.8	93.8	94.1	94.1	94.2
≥ 400	34.9	81.9	83.9	86.4	90.2	91.6	93.3	94.1	94.6	95.3	95.5	95.6	95.6	96.0	96.0	96.1
≥ 300	34.9	82.0	84.0	86.5	90.3	92.0	93.7	94.6	95.0	95.9	96.2	96.4	96.6	97.2	97.2	97.3
≥ 200	34.9	82.0	84.0	86.5	90.5	92.2	94.1	95.1	95.6	96.6	97.0	97.3	97.9	99.1	99.2	99.3
≥ 100	34.9	82.0	84.0	86.5	90.5	92.2	94.1	95.1	95.6	96.6	97.0	97.3	97.9	99.1	99.2	99.6
≥ 0	34.9	82.0	84.0	86.5	90.5	92.2	94.1	95.1	95.6	96.6	97.0	97.3	97.9	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MA

CEILING VERSUS VISIBILITY

724096

MC GUIRE AFB NJ

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	23.0	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	26.7	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 18000	27.1	58.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	27.1	58.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 14000	27.3	59.0	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	27.7	59.8	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	28.3	63.0	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 9000	28.6	64.1	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	29.7	67.1	67.6	67.6	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 7000	30.1	68.4	69.0	69.1	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 6000	30.9	69.5	70.1	70.2	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	32.0	72.5	73.3	73.4	73.8	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	32.2	73.5	74.5	74.7	75.1	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	33.0	75.4	76.6	76.8	77.3	77.7	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3500	33.7	77.0	78.1	78.5	79.0	79.3	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3000	34.2	79.7	81.0	81.3	82.0	82.4	82.5	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2500	34.9	81.0	82.4	82.9	83.8	84.2	84.3	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 2000	35.3	81.4	82.9	83.5	84.5	84.9	85.0	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1800	35.5	81.9	83.3	83.9	85.0	85.3	85.5	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1500	35.7	82.7	84.2	84.8	86.1	86.4	86.6	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	36.3	83.7	85.5	86.2	87.8	88.4	88.7	88.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1000	36.6	84.5	86.4	87.7	89.5	90.1	90.3	91.0	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	36.8	84.6	86.5	87.8	89.6	90.2	90.7	91.4	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	37.7	85.0	87.0	88.3	90.1	90.7	91.1	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 700	37.0	85.0	87.0	88.3	90.4	91.3	91.8	92.6	92.7	93.0	93.0	93.0	93.1	93.3	93.3	93.3
≥ 600	37.0	85.2	87.4	88.9	91.1	92.0	92.9	93.6	93.7	94.1	94.1	94.1	94.2	94.3	94.3	94.3
≥ 500	37.0	85.3	87.5	90.1	92.7	93.6	94.8	95.6	95.7	96.2	96.2	96.2	96.5	96.6	96.6	96.6
≥ 400	37.0	85.3	87.5	90.1	93.0	94.0	95.3	96.2	96.5	96.9	97.0	97.0	97.3	97.4	97.4	97.4
≥ 300	37.0	85.3	87.5	90.1	93.0	94.1	95.7	96.9	97.2	97.6	98.0	98.0	98.3	98.7	98.7	98.7
≥ 200	37.0	85.3	87.5	90.1	93.0	94.1	95.9	97.0	97.3	97.8	98.3	98.3	98.9	99.5	99.8	99.8
≥ 100	37.3	85.3	87.5	90.1	93.0	94.1	95.9	97.0	97.3	97.8	98.3	98.3	98.9	99.5	99.9	99.9
≥ 0	37.3	85.3	87.5	90.1	93.0	94.1	95.9	97.0	97.3	97.8	98.3	98.3	98.9	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 886

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724396

MCGUIRE AFB NJ

73-82

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	22.1	47.3	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000	27.1	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 18000	27.5	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	27.8	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 14000	28.0	56.6	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 12000	29.2	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 10000	29.8	61.9	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 9000	29.9	62.6	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 8000	30.9	65.6	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 7000	31.3	67.7	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 6000	32.2	69.5	70.0	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 5000	33.3	73.3	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 4500	34.3	75.2	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 4000	35.0	77.0	77.5	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 3500	35.7	79.2	79.9	80.3	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 3000	35.7	81.8	82.9	83.2	83.5	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	36.5	83.2	84.3	84.6	85.2	85.3	85.5	85.5	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8
IV 2000	37.0	84.3	85.3	85.7	86.3	86.4	86.6	86.6	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	37.0	84.9	86.3	86.6	87.5	87.6	87.8	87.9	87.9	88.4	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	37.5	85.6	87.1	87.5	88.8	88.9	89.1	89.2	89.2	89.7	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	37.6	86.5	88.2	88.8	90.3	90.4	90.8	90.9	90.9	91.4	91.6	91.6	91.6	91.6	91.6	91.6
IV 1000	37.6	86.6	88.4	89.0	90.5	90.7	91.0	91.3	91.3	91.7	92.0	92.0	92.0	92.0	92.0	92.0
IV 900	37.6	86.9	88.7	89.4	91.0	91.1	91.5	91.7	91.7	92.2	92.4	92.4	92.4	92.4	92.4	92.4
IV 800	37.6	87.2	89.1	90.2	92.0	92.2	92.9	93.5	93.5	94.1	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	37.6	87.2	89.1	90.2	92.0	92.2	93.0	93.9	93.9	94.4	95.0	95.0	95.0	95.0	95.0	95.0
IV 600	37.6	87.2	89.1	90.2	92.0	92.2	93.0	93.9	93.9	94.4	95.0	95.0	95.0	95.0	95.0	95.0
IV 500	37.6	87.2	89.5	90.5	92.6	92.8	94.0	95.3	95.3	96.2	96.9	96.9	96.9	96.9	96.9	96.9
IV 400	37.6	87.4	89.7	90.8	93.1	93.4	94.7	96.0	96.0	97.0	97.9	97.9	97.9	97.9	97.9	97.9
IV 300	37.6	87.4	89.7	90.8	93.1	93.4	94.9	96.3	96.3	97.5	98.6	98.6	98.6	98.6	98.6	98.6
IV 200	37.6	87.4	89.7	90.8	93.3	93.5	95.0	96.5	96.5	97.6	99.2	99.2	99.2	99.2	99.2	99.2
IV 100	37.6	87.4	89.7	90.8	93.3	93.5	95.0	96.5	96.5	97.6	99.2	99.2	99.2	99.2	99.2	99.2
IV 0	37.6	87.4	89.7	90.8	93.3	93.5	95.0	96.5	96.5	97.6	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-196
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.7	54.0	54.0	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥20000	27.7	58.9	59.1	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥18000	27.8	59.0	59.2	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥16000	28.3	59.5	59.7	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥14000	28.3	59.7	59.9	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥12000	29.0	60.8	61.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥10000	30.0	64.7	65.0	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥9000	30.6	65.2	65.6	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥8000	31.9	68.2	68.7	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥7000	32.0	68.7	69.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥6000	32.4	69.7	70.4	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥5000	34.2	73.0	74.1	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥4500	34.5	75.2	76.7	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥4000	35.2	77.1	79.0	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥3500	35.3	79.1	81.0	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3
≥3000	36.2	81.2	83.6	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0
≥2500	36.2	81.9	84.3	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7
≥2000	36.2	82.2	84.5	85.6	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3
≥1800	36.2	82.2	84.5	85.6	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3
≥1500	36.4	82.7	85.2	86.3	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4
≥1200	36.4	83.0	85.5	86.6	87.4	87.5	87.5	87.7	87.7	87.7	87.8	88.1	88.1	88.1	88.1	88.1
≥1000	36.5	83.2	85.8	87.0	87.7	87.8	87.8	88.1	88.1	88.3	88.5	88.5	88.7	88.7	88.7	88.7
≥900	36.5	83.5	86.4	87.6	88.3	88.5	88.5	88.8	88.8	89.0	89.2	89.2	89.4	89.4	89.4	89.4
≥800	36.6	83.7	86.9	88.1	88.8	89.1	89.1	89.6	89.6	89.8	90.1	90.1	90.2	90.2	90.2	90.2
≥700	36.8	84.0	87.5	88.9	89.6	90.0	90.1	91.3	91.3	91.6	92.0	92.0	92.1	92.1	92.1	92.1
≥600	36.8	84.0	87.8	89.2	90.2	90.5	90.8	92.1	92.1	92.4	92.8	92.8	92.9	92.9	92.9	92.9
≥500	36.8	84.3	88.2	90.1	91.3	91.6	92.1	93.5	93.6	94.0	94.3	94.3	94.4	94.4	94.4	94.4
≥400	36.9	84.3	88.4	90.7	92.0	92.6	93.4	95.2	95.3	95.7	96.2	96.3	96.8	96.8	96.8	96.8
≥300	36.9	84.4	88.5	90.8	92.2	92.9	93.7	95.9	96.1	96.6	97.0	97.2	97.8	97.8	97.8	97.8
≥200	36.9	84.5	88.7	90.9	92.4	93.1	94.0	96.5	96.7	97.2	97.9	98.0	98.9	99.2	99.4	99.8
≥100	36.9	84.5	88.7	90.9	92.4	93.1	94.0	96.5	96.7	97.2	97.9	98.0	99.1	99.3	99.6	100.0
0	36.9	84.5	88.7	90.9	92.4	93.1	94.0	96.5	96.7	97.2	97.9	98.0	99.1	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 456

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

FEF

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2107-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑
NO CEILING	26.7	56.4	57.1	57.4	57.7	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 20000	28.1	60.0	60.8	61.1	61.3	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 18000	28.1	60.2	60.9	61.2	61.5	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 16000	28.1	60.2	60.9	61.2	61.5	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	28.1	60.6	61.3	61.7	61.9	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	28.7	61.6	62.3	62.6	62.9	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	29.3	63.8	64.5	64.9	65.1	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	29.6	64.2	64.9	65.2	65.5	65.8	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 8000	30.5	67.4	68.1	68.6	68.9	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 7000	30.9	68.0	68.9	69.4	69.7	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 6000	31.3	69.1	70.1	70.6	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	32.6	71.2	72.3	72.8	73.5	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500	33.6	73.0	74.8	75.4	76.2	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	33.9	74.1	76.2	76.8	77.7	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 3500	34.5	76.5	79.0	79.7	80.5	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 3000	34.8	78.0	81.7	81.8	83.1	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 2500	34.9	78.7	81.7	82.5	83.9	84.3	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	35.0	79.3	82.3	83.3	84.8	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1800	35.1	79.6	82.5	83.6	85.0	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1600	35.2	80.0	83.1	84.5	86.2	86.5	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1400	35.3	80.4	83.7	85.1	86.8	87.2	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1200	35.3	80.4	84.0	85.5	87.1	87.6	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	35.5	80.6	84.3	85.7	87.4	87.8	88.3	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 900	35.7	81.2	85.2	86.6	88.3	88.9	89.5	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 800	35.9	81.6	85.8	87.2	88.9	89.6	90.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	35.9	81.6	85.8	87.2	88.9	89.6	90.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	35.9	81.6	85.8	87.2	88.9	89.6	90.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	35.9	81.7	86.3	87.7	89.4	90.2	91.0	92.0	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3
≥ 400	35.9	81.7	86.3	87.8	89.8	90.8	92.0	93.4	93.6	93.6	93.6	93.6	93.6	93.9	93.9	93.9
≥ 300	35.8	81.8	86.6	88.3	90.9	91.8	93.4	95.3	95.9	96.0	96.2	96.2	96.2	96.5	96.7	96.9
≥ 200	35.8	81.8	86.6	88.3	91.1	92.1	93.7	95.9	96.6	96.9	97.5	97.8	98.1	98.7	99.2	99.8
≥ 100	35.8	81.8	86.6	88.3	91.1	92.1	93.7	95.9	96.6	96.9	97.5	97.8	98.1	98.7	99.2	99.8
≥ 0	35.8	81.8	86.6	88.3	91.1	92.1	93.7	95.9	96.6	96.9	97.5	97.8	98.1	98.7	99.2	99.8

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	23.8	51.9	52.2	52.4	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 20000	26.2	57.6	58.0	58.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 18000	26.6	58.0	58.4	58.8	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3
≥ 16000	26.7	58.1	58.5	58.9	59.2	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	26.8	58.4	58.9	59.2	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
≥ 12000	27.4	59.5	59.9	60.2	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 10000	29.2	62.4	62.9	63.3	63.6	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	28.4	62.9	63.5	63.9	64.2	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	29.6	65.8	66.4	66.9	67.3	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7
≥ 7000	30.1	67.0	67.6	68.2	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.0	69.0
≥ 6000	30.6	68.3	69.0	69.6	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5
≥ 5000	31.9	70.7	71.6	72.2	72.8	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.3	73.3	73.3	73.3
≥ 4500	32.6	72.8	73.9	74.6	75.2	75.4	75.5	75.6	75.6	75.6	75.7	75.7	75.8	75.8	75.8	75.8
≥ 4000	33.5	74.6	76.0	76.7	77.4	77.6	77.7	77.8	77.8	77.8	77.9	77.9	78.0	78.0	78.0	78.0
≥ 3500	34.1	76.5	77.9	78.7	79.5	79.8	79.9	79.9	79.9	80.0	80.1	80.1	80.2	80.2	80.2	80.2
≥ 3000	34.5	78.6	80.3	81.2	82.1	82.4	82.6	82.6	82.6	82.7	82.8	82.8	82.9	82.9	82.9	82.9
≥ 2500	34.9	79.5	81.2	82.1	83.2	83.5	83.7	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.1	84.1
≥ 2000	35.1	80.2	82.1	83.1	84.3	84.6	84.9	85.0	85.0	85.2	85.3	85.3	85.4	85.4	85.4	85.4
≥ 1800	35.2	80.4	82.2	83.2	84.5	84.8	85.1	85.2	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.5
≥ 1500	35.3	81.1	83.0	84.1	85.5	85.9	86.2	86.4	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.7
≥ 1200	35.6	81.6	83.6	84.7	86.3	86.7	87.1	87.3	87.3	87.5	87.6	87.6	87.7	87.7	87.7	87.7
≥ 1000	35.7	82.1	84.3	85.6	87.2	87.6	88.1	88.5	88.5	88.8	88.9	88.9	89.0	89.0	89.0	89.0
≥ 900	35.8	82.4	84.7	86.0	87.6	88.2	88.7	89.1	89.2	89.4	89.5	89.6	89.7	89.7	89.7	89.7
≥ 800	35.9	82.6	85.1	86.5	88.3	88.9	89.5	90.0	90.1	90.3	90.4	90.5	90.6	90.6	90.7	90.7
≥ 700	35.9	82.8	85.5	87.0	88.8	89.6	90.2	90.9	91.0	91.3	91.5	91.5	91.7	91.7	91.8	91.8
≥ 600	35.9	82.8	85.6	87.2	89.1	89.9	90.7	91.5	91.6	91.8	92.1	92.1	92.3	92.3	92.4	92.5
≥ 500	35.9	82.9	85.9	87.7	89.9	90.6	91.8	92.7	92.8	93.2	93.6	93.6	93.8	93.9	94.0	94.1
≥ 400	35.9	83.0	86.0	88.0	90.5	91.5	92.7	93.8	94.0	94.5	94.9	94.9	95.2	95.3	95.4	95.5
≥ 300	35.9	83.1	86.1	88.2	90.8	92.0	93.4	94.8	95.0	95.6	96.1	96.2	96.6	96.8	96.9	97.0
≥ 200	35.9	83.1	86.1	88.2	91.0	92.2	93.7	95.3	95.5	96.2	97.1	97.2	97.9	98.3	98.6	99.1
≥ 100	35.9	83.1	86.1	88.2	91.0	92.2	93.7	95.3	95.6	96.3	97.2	97.3	98.1	98.6	99.1	99.8
≥ 0	35.9	83.1	86.1	88.2	91.0	92.2	93.7	95.3	95.6	96.3	97.2	97.3	98.1	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6767

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0200-0200
PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005
NO CEILING	19.5	49.0	49.9	50.3	50.4	50.5	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0
≥ 20000	22.7	54.6	55.6	56.0	56.1	56.2	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.8
≥ 18000	22.3	54.9	55.9	56.3	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
≥ 16000	22.3	54.9	55.9	56.3	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
≥ 14000	22.3	54.9	55.9	56.3	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
≥ 12000	22.7	56.6	57.5	58.2	58.1	58.2	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.7
≥ 10000	23.8	58.7	59.9	60.3	60.4	60.5	60.6	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.1
≥ 9000	23.9	59.6	60.8	61.2	61.3	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9
≥ 8000	24.9	62.0	63.2	63.7	63.8	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.4
≥ 7000	26.0	63.9	65.1	65.6	65.7	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.3
≥ 6000	27.1	66.2	67.4	68.0	68.1	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.7
≥ 5000	28.1	69.6	71.0	71.5	71.6	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.3
≥ 4500	29.4	72.7	74.1	74.8	74.9	75.1	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.6
≥ 4000	29.9	73.9	75.5	76.5	76.9	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.5
≥ 3500	30.3	75.6	77.4	78.6	79.0	79.1	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.6	79.6	79.7
≥ 3000	30.4	77.8	79.9	81.1	81.7	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.5
≥ 2500	30.5	78.3	80.3	81.6	82.4	82.5	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.2
≥ 2000	31.3	79.4	81.7	83.2	84.0	84.2	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.9
≥ 1800	31.4	79.5	81.8	83.3	84.1	84.3	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	85.1
≥ 1500	31.7	80.5	83.0	84.5	85.4	85.6	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.5
≥ 1200	31.7	81.4	83.9	85.5	86.3	86.6	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.6
≥ 1000	32.3	82.2	84.7	86.5	87.3	87.5	88.0	88.5	88.5	88.5	88.5	88.5	88.5	88.6	88.6	88.7
≥ 900	32.3	82.5	85.2	86.9	88.1	88.3	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.5
≥ 800	32.4	83.0	85.8	87.6	88.8	89.0	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.2
≥ 700	32.4	83.2	86.1	88.0	89.2	89.6	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.6	90.6	90.8
≥ 600	32.4	83.2	86.5	88.4	90.0	90.5	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.9
≥ 500	32.4	83.2	86.6	88.6	90.9	91.6	92.0	92.9	93.0	93.0	93.0	93.0	93.0	93.1	93.1	93.2
≥ 400	32.4	83.2	86.9	89.0	91.4	92.2	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.3	93.3	93.5
≥ 300	32.4	83.3	87.0	89.1	91.7	92.7	93.4	94.7	95.1	95.1	95.1	95.1	95.1	95.3	95.3	95.5
≥ 200	32.4	83.5	87.3	89.5	92.0	93.0	93.8	95.6	96.0	96.1	96.2	96.2	96.2	96.6	96.6	97.2
≥ 100	32.4	83.5	87.3	89.5	92.0	93.0	93.8	95.7	96.1	96.2	96.2	96.2	96.2	96.6	96.6	97.4
≥ 50	32.4	83.5	87.3	89.5	92.0	93.0	93.8	95.7	96.1	96.2	96.2	96.2	96.2	96.6	96.6	97.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ 0
NO CEILING	18.2	45.6	47.2	47.8	48.2	48.2	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.6	48.6
≥ 20000	20.3	51.5	53.1	53.8	54.1	54.1	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.7	54.8
≥ 18000	21.3	52.0	53.7	54.3	54.6	54.6	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.3	55.4
≥ 16000	21.3	52.0	53.7	54.3	54.6	54.6	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.3	55.4
≥ 14000	21.3	52.3	53.9	54.5	54.8	54.8	54.9	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.5	55.6
≥ 12000	21.4	53.4	55.1	55.7	56.0	56.0	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.7	56.8
≥ 10000	22.9	56.2	57.8	58.6	58.9	58.9	59.1	59.2	59.2	59.4	59.6	59.6	59.6	59.6	59.9	60.0
≥ 9000	23.0	57.6	59.2	60.0	60.3	60.3	60.5	60.6	60.6	60.8	61.0	61.0	61.0	61.0	61.3	61.4
≥ 8000	23.5	59.8	61.4	62.2	62.5	62.5	62.7	62.8	62.8	62.9	63.1	63.1	63.1	63.1	63.4	63.5
≥ 7000	24.7	61.6	63.2	64.0	64.3	64.3	64.5	64.6	64.6	64.7	64.9	64.9	64.9	64.9	65.3	65.4
≥ 6000	25.2	63.1	64.7	65.5	65.8	65.8	66.0	66.1	66.1	66.2	66.5	66.5	66.5	66.5	66.8	66.9
≥ 5000	26.6	67.4	69.5	70.5	70.9	70.9	71.1	71.2	71.2	71.3	71.5	71.5	71.5	71.5	71.8	71.9
≥ 4500	27.6	71.4	73.7	74.7	75.1	75.1	75.3	75.4	75.4	75.5	75.7	75.7	75.7	75.7	76.0	76.1
≥ 4000	27.6	72.0	74.4	75.6	76.0	76.0	76.2	76.3	76.3	76.5	76.7	76.7	76.7	76.7	77.0	77.1
≥ 3500	28.0	72.7	75.1	76.3	76.8	76.9	77.1	77.2	77.2	77.3	77.5	77.5	77.5	77.5	77.8	78.0
≥ 3000	28.5	75.4	78.0	79.2	79.7	79.8	80.0	80.1	80.1	80.2	80.4	80.4	80.4	80.4	80.8	80.9
≥ 2500	28.6	76.5	79.2	80.8	81.3	81.4	81.6	81.7	81.7	81.8	82.0	82.0	82.0	82.0	82.4	82.5
≥ 2000	29.1	77.4	80.4	82.2	82.8	82.9	83.1	83.2	83.2	83.3	83.5	83.5	83.5	83.5	83.9	84.0
≥ 1800	29.5	77.7	80.8	82.5	83.1	83.2	83.4	83.5	83.5	83.7	83.9	83.9	83.9	83.9	84.2	84.3
≥ 1500	29.6	78.3	81.3	83.2	84.1	84.2	84.4	84.5	84.5	84.6	84.8	84.8	84.8	84.8	85.2	85.3
≥ 1200	30.0	73.8	81.8	83.9	84.7	84.8	85.1	85.2	85.2	85.3	85.5	85.5	85.5	85.5	85.8	85.9
≥ 1000	30.2	79.4	82.6	84.7	85.8	85.9	86.1	86.2	86.2	86.5	86.7	86.7	86.7	86.7	87.0	87.1
≥ 900	30.2	79.8	83.1	85.6	86.7	86.8	87.0	87.1	87.1	87.3	87.5	87.5	87.5	87.5	87.8	88.0
≥ 800	30.3	80.1	83.8	86.3	87.4	87.5	87.7	87.8	87.8	88.1	88.3	88.3	88.3	88.3	88.6	88.7
≥ 700	30.3	80.4	84.1	86.9	88.1	88.2	88.4	88.5	88.5	88.7	88.9	88.9	88.9	88.9	89.2	89.4
≥ 600	30.4	80.9	84.6	87.6	88.9	89.1	89.5	89.8	89.8	90.0	90.2	90.2	90.2	90.2	90.5	90.6
≥ 500	30.4	81.2	85.1	88.2	89.8	90.3	90.8	91.3	91.4	91.6	91.8	91.8	91.8	91.8	92.2	92.3
≥ 400	30.4	81.2	85.2	88.5	90.6	91.2	91.9	93.0	93.1	93.4	93.7	93.7	93.7	93.7	94.0	94.1
≥ 300	30.5	81.3	85.3	88.6	90.9	91.4	92.4	93.7	93.9	94.3	94.6	94.6	94.6	94.6	95.2	95.3
≥ 200	30.5	81.3	85.5	88.8	91.2	91.7	92.7	94.5	94.8	95.4	95.8	95.9	96.3	96.5	97.1	97.3
≥ 100	30.5	81.3	85.5	88.8	91.2	91.7	92.7	94.8	95.2	95.8	96.2	96.5	97.0	97.4	98.4	99.8
≥ 0	30.5	81.3	85.5	88.8	91.2	91.7	92.7	94.8	95.2	95.8	96.2	96.5	97.0	97.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296

MCGUIRE AFB NJ

73-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	14.7	41.0	41.9	42.2	42.9	43.1	43.5	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.2
≥ 20000	19.9	47.7	48.7	48.9	49.9	50.2	50.6	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.5
≥ 18000	19.7	47.8	48.8	49.0	50.0	50.3	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.6
≥ 16000	19.7	47.8	48.8	49.0	50.0	50.3	50.8	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.6
≥ 14000	19.2	48.2	49.1	49.4	50.3	50.6	51.1	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.9
≥ 12000	19.8	49.7	50.8	51.0	51.9	52.3	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.5
≥ 10000	21.8	54.1	55.3	55.5	56.6	57.0	57.4	57.6	57.7	57.7	57.8	57.8	57.8	57.8	58.0	58.4
≥ 9000	22.0	55.4	56.6	56.8	57.8	58.3	58.7	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.2	59.7
≥ 8000	23.0	59.5	59.9	60.2	61.3	61.7	62.2	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.8	63.2
≥ 7000	23.7	59.5	61.1	61.6	62.7	63.1	63.5	63.9	64.0	64.0	64.1	64.1	64.1	64.1	64.2	64.6
≥ 6000	24.3	60.9	62.5	63.1	64.2	64.6	65.1	65.4	65.5	65.5	65.6	65.6	65.6	65.6	65.7	66.1
≥ 5000	25.5	63.5	65.5	66.6	67.6	68.1	68.5	68.8	68.9	69.1	69.2	69.2	69.2	69.2	69.4	69.8
≥ 4500	26.3	67.1	69.2	70.3	71.4	71.8	72.3	72.6	72.7	72.9	73.0	73.0	73.0	73.0	73.1	73.5
≥ 4000	26.7	68.6	70.9	72.0	73.2	73.7	74.1	74.4	74.5	74.7	74.8	74.8	74.8	74.8	74.9	75.4
≥ 3500	27.2	69.6	71.9	73.1	74.3	74.7	75.2	75.5	75.6	75.8	75.9	75.9	75.9	75.9	76.0	76.5
≥ 3000	27.7	71.6	74.4	75.8	77.0	77.4	77.8	78.2	78.4	78.6	78.7	78.7	78.7	78.7	78.8	79.2
≥ 2500	28.0	72.4	75.5	77.0	78.2	78.6	79.0	79.4	79.6	79.8	79.9	79.9	79.9	79.9	80.0	80.4
≥ 2000	28.5	73.4	76.8	78.4	79.6	80.1	80.8	81.2	81.4	81.6	81.7	81.7	81.7	81.7	81.8	82.3
≥ 1800	28.6	73.5	76.9	78.5	79.7	80.3	81.0	81.4	81.6	81.8	81.9	81.9	81.9	81.9	82.0	82.5
≥ 1500	29.4	74.6	78.1	79.7	81.0	81.7	82.7	83.2	83.4	83.7	83.8	83.8	83.8	83.8	83.9	84.3
≥ 1200	29.5	75.2	79.8	80.6	81.9	82.7	83.9	84.4	84.6	84.8	84.9	84.9	84.9	84.9	85.1	85.5
≥ 1000	29.7	75.7	79.6	81.6	83.1	84.2	85.4	85.9	86.1	86.3	86.5	86.5	86.5	86.5	86.6	87.0
≥ 900	29.8	76.1	80.1	82.2	83.7	84.7	85.9	86.5	86.7	86.9	87.0	87.0	87.0	87.0	87.1	87.5
≥ 800	29.8	76.5	80.4	82.6	84.3	85.5	86.8	87.3	87.5	87.7	87.8	87.8	87.8	87.8	88.0	88.4
≥ 700	29.8	76.9	81.0	83.1	85.1	86.5	88.0	88.5	88.7	88.9	89.0	89.0	89.0	89.0	89.1	89.6
≥ 600	29.8	77.4	81.6	83.9	85.9	87.3	89.0	89.6	89.8	90.0	90.2	90.2	90.2	90.2	90.3	90.8
≥ 500	29.8	77.6	82.3	84.6	86.9	88.4	90.1	90.6	90.9	91.1	91.3	91.3	91.4	91.4	91.5	91.9
≥ 400	29.8	77.6	82.3	84.8	87.3	88.9	90.9	91.7	92.0	92.7	93.0	93.0	93.1	93.1	93.2	93.7
≥ 300	29.8	77.8	82.6	85.2	88.2	89.9	92.4	93.3	94.0	94.8	95.3	95.3	95.4	95.4	95.7	96.1
≥ 200	29.7	78.0	82.8	85.4	88.4	90.1	92.6	93.8	94.9	95.9	96.6	96.6	96.9	97.0	97.5	98.2
≥ 100	29.9	78.0	82.8	85.4	88.4	90.2	92.7	94.0	95.2	96.1	96.8	96.8	97.2	97.5	98.3	99.8
≥ 0	29.9	78.0	82.8	85.4	88.4	90.2	92.7	94.0	95.2	96.1	96.8	96.8	97.2	97.5	98.3	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

734796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
TIME

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005	≥0.001
NO CEILING	17.1	41.6	42.6	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 20000	22.2	50.6	51.7	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	22.2	50.6	51.7	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000	22.2	50.6	51.7	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	22.4	51.2	52.3	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2
≥ 12000	22.9	52.3	53.3	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3
≥ 10000	24.1	55.7	56.8	57.5	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.8	58.0	58.0	58.0	58.0	58.0
≥ 9000	24.4	56.2	57.3	58.1	58.2	58.2	58.2	58.3	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥ 8000	25.3	60.3	61.4	62.3	62.5	62.5	62.6	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 7000	26.5	61.7	62.8	63.7	63.9	63.9	64.1	64.2	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	26.7	62.8	64.0	64.8	65.1	65.1	65.3	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	27.5	64.7	66.2	67.2	67.4	67.4	67.6	67.7	67.7	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500	29.2	66.6	68.4	69.7	69.9	69.9	70.2	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 4000	29.8	69.0	71.1	72.6	73.0	73.0	73.4	73.5	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	29.4	73.9	72.9	74.7	75.3	75.3	75.7	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	31.2	74.2	76.7	78.5	79.1	79.1	79.6	79.7	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	31.3	75.7	78.3	80.5	81.3	81.3	81.9	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	32.4	76.7	79.2	81.7	82.6	82.6	83.2	83.3	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1800	32.4	76.8	79.4	81.8	82.7	82.9	83.3	83.4	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	32.6	77.6	80.5	83.0	84.0	84.3	84.8	85.2	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1200	32.7	78.0	81.5	84.0	85.3	85.6	86.2	86.6	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	33.0	78.8	82.5	85.3	86.6	87.0	88.0	88.3	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 900	33.0	78.9	82.7	85.7	87.1	87.5	88.6	88.9	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	33.0	79.0	82.9	86.1	87.6	88.1	89.1	89.5	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 700	33.0	79.1	83.2	86.7	88.5	89.0	90.3	90.8	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	33.0	79.1	83.3	87.0	89.1	89.8	91.6	92.0	92.4	92.9	93.1	93.1	93.4	93.4	93.4	93.4	93.4
≥ 500	33.0	79.5	83.7	87.4	89.9	91.0	93.1	93.8	94.2	94.7	95.2	95.2	95.5	95.5	95.5	95.5	95.5
≥ 400	33.0	79.5	83.7	87.7	90.5	91.7	94.2	95.1	95.5	96.0	96.5	96.5	96.8	96.9	96.9	96.9	96.9
≥ 300	33.0	79.5	83.8	87.8	90.8	92.3	95.1	95.9	96.3	97.2	97.7	97.7	98.1	98.2	98.2	98.2	98.2
≥ 200	33.0	79.5	83.8	87.8	90.9	92.4	95.3	96.3	96.8	97.8	98.5	98.5	99.4	99.5	99.7	99.7	99.7
≥ 100	33.0	79.5	83.8	87.8	90.9	92.4	95.3	96.3	96.8	97.8	98.6	98.6	99.5	99.6	100.0	100.0	100.0
≥ 0	33.0	79.5	83.8	87.8	90.9	92.4	95.3	96.3	96.8	97.8	98.6	98.6	99.5	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74496

MCGUIRE AFB NJ

73-82

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO. OF OBS.	17.3	39.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	21.5	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 8000	21.9	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 6000	22.2	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 4000	22.6	48.4	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 2000	23.7	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 1000	24.3	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 900	25.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 800	26.6	58.3	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 700	27.3	59.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 600	27.6	60.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 500	28.1	62.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 450	28.9	64.2	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 400	29.9	67.4	69.1	69.6	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 350	30.5	71.7	73.5	74.2	74.5	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 300	32.2	75.8	78.1	79.4	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 250	33.1	77.7	80.2	81.7	82.3	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 200	33.5	78.5	81.0	82.6	83.1	83.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 180	33.7	78.6	81.1	82.7	83.4	83.8	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 150	33.9	79.4	82.4	84.2	85.2	85.5	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 100	34.5	80.5	83.7	85.6	86.6	86.9	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 90	34.6	81.3	84.7	87.0	88.4	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 80	34.6	81.5	84.9	87.4	89.5	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 70	34.6	81.6	85.2	88.1	90.3	90.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 60	34.6	81.7	85.7	88.9	91.2	91.9	92.9	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5
≥ 50	34.6	81.8	86.1	89.7	92.3	93.2	94.3	94.8	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 40	34.6	82.0	86.5	90.1	92.8	94.2	95.5	96.0	96.1	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 30	34.6	82.3	86.7	90.4	93.3	94.8	96.5	97.2	97.3	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 20	34.6	82.4	86.8	90.5	93.4	95.1	96.8	98.0	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 10	34.6	82.4	86.8	90.5	93.4	95.1	96.8	98.0	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	34.6	82.4	86.8	90.5	93.4	95.1	96.8	98.0	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-4-96
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

MAP
NO.

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1520-1700
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	13.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 20000	22.9	49.4	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 18000	23.1	50.2	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 16000	23.2	50.3	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	23.7	51.2	51.3	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 12000	24.4	51.8	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000	25.9	55.4	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 9000	25.5	56.6	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 8000	27.8	60.4	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	28.4	61.8	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 6000	28.7	63.1	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	29.2	64.9	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4500	30.4	67.8	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	31.9	71.9	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	32.3	75.5	77.5	78.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 3000	33.9	78.4	80.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500	34.3	79.2	81.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 2000	34.7	80.2	82.5	83.5	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1800	34.3	80.5	83.0	84.1	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1500	35.1	81.5	84.2	85.4	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	35.1	81.8	84.9	86.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1000	35.2	82.6	85.9	87.3	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	35.2	82.6	86.0	87.5	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	35.3	82.9	86.3	88.0	89.7	89.9	90.3	90.4	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	35.4	83.4	87.2	88.9	91.0	91.2	91.6	91.8	92.0	92.3	92.7	92.7	93.0	93.0	93.0	93.0
≥ 600	35.4	83.4	87.3	89.2	91.8	92.4	92.8	93.1	93.3	93.5	94.1	94.1	94.4	94.4	94.4	94.4
≥ 500	35.4	83.5	87.8	90.1	93.1	93.9	94.4	94.8	95.1	95.3	95.9	95.9	96.3	96.3	96.3	96.3
≥ 400	35.4	83.7	88.7	90.4	94.0	95.5	96.0	96.5	96.7	97.1	97.7	98.0	98.5	98.5	98.5	98.5
≥ 300	35.4	83.8	88.2	90.6	94.2	95.8	96.3	96.9	97.3	97.7	98.6	98.8	99.4	99.4	99.4	99.4
≥ 200	35.4	83.8	88.2	90.6	94.2	95.8	96.3	96.9	97.3	97.7	98.8	99.1	99.7	99.7	99.7	99.7
≥ 100	35.4	83.8	88.2	90.6	94.2	95.8	96.3	96.9	97.3	97.7	98.8	99.1	99.7	99.7	99.9	100.0
≥ 0	35.4	83.8	88.2	90.6	94.2	95.8	96.3	96.9	97.3	97.7	98.8	99.1	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-64 D-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1307-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	21.5	48.3	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0
≥ 20000	23.2	53.5	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5
≥ 18000	23.2	53.5	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5
≥ 6000	23.2	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7
≥ 14000	24.7	55.3	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3
≥ 12000	25.2	56.9	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1
≥ 10000	26.3	59.5	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9
≥ 9500	26.5	59.9	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3
≥ 8000	28.3	64.7	65.6	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
≥ 7000	29.3	67.1	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7
≥ 6000	29.8	67.6	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4
≥ 5000	30.6	70.1	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
≥ 4500	31.5	72.8	74.8	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5
≥ 4000	32.6	74.8	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7
≥ 3500	32.9	76.9	79.1	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9
≥ 3000	33.4	78.8	81.1	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2
≥ 2500	34.2	80.0	82.4	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4
≥ 2000	34.4	80.8	83.3	84.4	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7
≥ 1800	34.6	81.0	83.5	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9
≥ 1500	35.1	81.6	84.3	85.4	85.4	85.5	85.8	85.8	85.8	85.9	85.9	85.9	85.9	86.0	86.0	86.0
≥ 1200	35.1	82.0	84.8	85.9	86.0	86.1	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.8	86.8	86.8
≥ 1000	35.1	82.8	85.6	86.9	87.5	87.7	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.7	88.7	88.7
≥ 900	35.1	83.0	85.8	87.3	88.1	88.3	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.2	89.2	89.2
≥ 800	35.1	83.4	86.5	88.1	89.1	89.4	89.8	90.1	90.1	90.6	90.6	90.6	90.6	90.9	90.9	90.9
≥ 700	35.1	83.7	86.9	88.5	89.8	90.2	90.6	91.0	91.0	91.5	91.5	91.5	91.5	91.8	91.8	91.8
≥ 600	35.1	83.9	87.3	88.9	90.4	91.3	91.8	92.3	92.3	92.8	92.8	92.8	92.8	93.1	93.1	93.1
≥ 500	35.1	84.2	88.1	90.2	91.9	93.1	93.7	94.1	94.1	94.6	94.6	94.6	94.6	94.9	94.9	94.9
≥ 400	35.1	84.3	89.2	90.5	92.6	94.1	94.8	95.5	95.6	96.1	96.2	96.2	96.2	96.7	96.7	96.7
≥ 300	35.1	84.6	89.6	91.0	93.0	94.6	95.7	96.6	96.7	97.3	97.4	97.4	97.4	98.0	98.0	98.0
≥ 200	35.1	84.6	88.6	91.1	93.1	94.7	95.9	97.1	97.3	98.1	98.2	98.5	99.1	99.1	99.2	99.2
≥ 100	35.1	84.6	88.6	91.1	93.1	94.7	96.1	97.3	97.5	98.3	98.4	98.7	99.4	99.4	99.6	99.9
≥ 0	35.1	84.6	88.6	91.1	93.1	94.7	96.1	97.3	97.5	98.3	98.4	98.7	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-4-96
STATION

MC GUIRE AFB NJ
STATION NAME

73-82
YEAR

MAP
MOON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
MOON

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01	≥ 0.005
NO CEILING	22.3	49.9	50.8	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6
≥ 20000	23.9	55.4	56.7	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6
≥ 18000	24.0	55.9	57.2	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
≥ 16000	24.2	55.9	57.2	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
≥ 14000	24.3	56.5	57.7	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥ 12000	24.7	57.5	58.8	59.5	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.8	59.8
≥ 10000	25.3	59.5	60.8	61.5	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
≥ 9000	26.2	60.3	61.6	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7
≥ 8000	27.6	64.1	65.4	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.5
≥ 7000	28.8	65.4	66.7	67.4	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
≥ 6000	29.4	66.8	68.1	68.8	68.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1
≥ 5000	30.5	70.9	72.2	72.9	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2	73.2
≥ 4500	31.1	72.2	73.7	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 4000	32.0	74.3	76.0	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4
≥ 3500	32.2	75.4	77.3	78.3	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7
≥ 3000	32.7	77.4	79.5	80.4	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0	81.0
≥ 2500	32.9	78.7	80.9	81.8	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5
≥ 2000	33.7	80.1	82.3	83.4	84.0	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4
≥ 1800	33.7	80.3	82.5	83.7	84.2	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 1500	34.0	81.4	83.5	84.8	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1
≥ 1200	34.0	81.9	84.2	85.7	86.8	86.8	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2
≥ 1000	34.0	82.2	84.5	86.3	87.4	87.6	87.8	88.1	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.4
≥ 900	34.0	82.6	84.9	86.9	88.3	88.5	88.7	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.2	89.2
≥ 800	34.0	82.8	85.5	87.4	88.8	89.0	89.5	89.9	89.9	90.0	90.1	90.1	90.1	90.1	90.2	90.2
≥ 700	34.0	82.9	85.7	87.6	89.0	89.2	89.7	90.2	90.2	90.3	90.4	90.4	90.4	90.4	90.5	90.5
≥ 600	34.0	83.1	86.0	88.2	89.8	90.1	90.8	91.5	91.5	91.6	91.7	91.7	91.7	91.7	91.8	91.8
≥ 500	34.0	83.7	86.6	88.8	91.0	91.3	92.3	93.1	93.1	93.2	93.4	93.4	93.4	93.4	93.5	93.5
≥ 400	34.0	84.0	87.0	89.2	91.7	92.3	93.5	94.6	94.6	94.7	94.9	94.9	95.1	95.1	95.2	95.3
≥ 300	34.0	84.3	87.3	89.6	92.4	93.0	94.7	96.1	96.1	96.2	96.6	96.6	96.7	96.7	96.9	97.0
≥ 200	34.0	84.3	87.3	89.8	92.6	93.3	95.1	96.9	97.0	97.2	97.5	97.5	97.6	97.6	98.1	98.2
≥ 100	34.0	84.3	87.3	89.8	92.6	93.3	95.1	96.9	97.2	97.4	98.0	98.1	98.3	98.3	99.2	99.6
≥ 0	34.0	84.3	87.3	89.8	92.6	93.3	95.1	96.9	97.2	97.4	98.1	98.2	98.4	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774996

MCGUIRE AFB NJ

73-82

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	18.6	44.4	45.2	45.6	45.8	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1
≥ 20000	21.9	51.2	52.2	52.5	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2
≥ 18000	22.1	51.6	52.6	52.9	53.1	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6
≥ 16000	22.2	51.7	52.6	53.0	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.6
≥ 14000	22.5	52.2	53.2	53.6	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.2
≥ 12000	23.1	53.5	54.4	54.8	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.5
≥ 10000	24.4	56.7	57.8	58.2	58.4	58.5	58.6	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.9
≥ 9000	24.7	57.6	58.8	59.2	59.4	59.4	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.8	59.9
≥ 8000	25.9	61.0	62.3	62.7	63.0	63.1	63.2	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.5	63.5
≥ 7000	26.9	62.6	63.9	64.4	64.6	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.1	65.1	65.1	65.2
≥ 6000	27.3	63.8	65.2	65.7	65.9	66.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.5
≥ 5000	28.3	66.7	68.2	68.9	69.1	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.7
≥ 4500	29.2	69.3	71.2	71.9	72.2	72.3	72.4	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.7	72.8
≥ 4000	29.9	71.5	73.5	74.4	74.8	74.9	75.1	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.4	75.5
≥ 3500	30.3	73.5	75.6	76.7	77.1	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.7
≥ 3000	31.3	76.2	78.5	79.7	80.2	80.3	80.5	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.9
≥ 2500	31.7	77.3	79.8	81.1	81.7	81.8	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.4	82.5
≥ 2000	32.2	78.3	80.9	82.4	83.1	83.2	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.9	84.0
≥ 1800	32.3	78.5	81.1	82.6	83.3	83.5	83.8	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.2	84.3
≥ 1500	32.6	79.4	82.2	83.8	84.6	84.9	85.2	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.7	85.8
≥ 1200	32.9	80.0	83.0	84.7	85.6	85.9	86.3	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.8	86.9
≥ 1000	33.0	80.6	83.8	85.7	86.9	87.2	87.7	88.0	88.0	88.2	88.3	88.3	88.3	88.3	88.4	88.4
≥ 900	33.0	80.9	84.1	86.2	87.6	87.9	88.5	88.7	88.8	88.9	89.0	89.0	89.0	89.0	89.1	89.2
≥ 800	33.1	81.2	84.5	86.8	88.3	88.7	89.3	89.6	89.7	89.9	90.0	90.0	90.0	90.0	90.1	90.1
≥ 700	33.1	81.4	85.3	87.3	89.0	89.5	90.2	90.6	90.7	90.9	91.0	91.0	91.0	91.1	91.2	91.3
≥ 600	33.1	81.6	85.3	87.9	89.8	90.5	91.3	91.9	92.0	92.2	92.4	92.4	92.6	92.6	92.6	92.7
≥ 500	33.1	81.9	85.8	88.5	90.8	91.7	92.7	93.3	93.5	93.8	94.0	94.0	94.2	94.2	94.3	94.3
≥ 400	33.1	82.0	86.0	88.8	91.4	92.6	93.8	94.7	94.9	95.3	95.5	95.6	95.8	95.8	95.9	96.0
≥ 300	33.1	82.1	86.2	89.1	91.8	93.1	94.6	95.6	96.0	96.5	96.8	96.8	97.1	97.1	97.3	97.4
≥ 200	33.1	82.2	86.3	89.2	92.0	93.3	94.8	96.1	96.6	97.2	97.6	97.7	98.1	98.2	98.5	98.7
≥ 100	33.1	82.2	86.3	89.2	92.0	93.3	94.8	96.2	96.7	97.3	97.8	97.9	98.5	98.6	99.2	99.8
≥ 0	33.1	82.2	86.3	89.2	92.0	93.3	94.8	96.2	96.7	97.3	97.8	97.9	98.5	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7480

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296

MCGUIRE AFB NJ

73-82

APP

STATION

STATION NAME

YEARS

0000-0200

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	26.3	56.1	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000	28.3	63.4	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 18000	28.8	63.4	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 16000	23.8	63.4	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 14000	29.7	64.0	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 12000	29.8	65.3	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	30.4	67.0	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 9000	31.0	67.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 8000	31.7	70.3	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 7000	31.8	70.8	72.1	72.1	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	32.0	71.7	73.1	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 5000	32.9	74.0	76.0	76.2	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	34.3	77.6	80.0	80.2	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4000	34.0	79.1	81.7	81.9	82.3	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3500	34.6	81.3	83.2	83.4	84.1	84.2	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	35.3	82.1	85.2	85.4	86.1	86.2	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	35.6	82.9	86.0	86.3	87.1	87.2	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	35.6	83.2	86.3	86.7	87.6	87.7	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1800	35.7	83.7	86.8	87.1	88.1	88.2	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500	35.7	83.7	86.8	87.1	88.1	88.2	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.9	88.9	88.9
≥ 1200	36.1	84.4	87.7	88.4	89.6	89.7	90.0	90.0	90.0	90.2	90.2	90.2	90.3	90.3	90.3	90.3
≥ 1000	36.2	85.0	88.2	89.0	90.2	90.4	90.8	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 900	36.2	85.3	88.6	89.3	90.6	90.8	91.1	91.1	91.1	91.3	91.3	91.3	91.4	91.4	91.4	91.4
≥ 800	36.3	85.6	88.8	89.7	91.0	91.2	91.6	91.6	91.6	91.8	91.8	91.8	91.9	91.9	91.9	91.9
≥ 700	36.3	85.7	89.0	89.9	91.4	91.7	92.1	92.1	92.1	92.4	92.4	92.4	92.6	92.6	92.6	92.6
≥ 600	36.3	85.8	89.1	90.3	92.6	92.9	93.3	93.3	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8
≥ 500	36.3	86.0	89.7	91.4	93.8	94.3	95.0	95.1	95.1	95.4	95.4	95.4	95.6	95.6	95.6	95.6
≥ 400	36.3	86.1	89.9	91.8	94.2	95.0	95.7	96.1	96.1	96.6	96.6	96.6	96.7	96.7	96.7	96.7
≥ 300	36.3	86.1	89.9	91.9	94.4	95.3	96.3	96.9	97.0	97.6	97.6	97.6	97.7	97.7	97.7	97.8
≥ 200	36.3	86.1	89.9	91.9	94.7	95.7	96.8	97.4	97.8	98.4	98.8	98.8	99.1	99.1	99.1	99.3
≥ 100	36.3	86.1	89.9	91.9	94.7	95.7	96.8	97.4	97.8	98.4	98.9	98.9	99.2	99.2	99.7	99.9
≥ 0	36.3	86.1	89.9	91.9	94.7	95.7	96.8	97.4	97.8	98.4	98.9	98.9	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496 MCQUIRE AFB NJ

73-82

AP2

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	22.2	53.1	54.8	55.2	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 20000	24.2	57.2	59.2	59.4	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 18000	24.2	57.4	59.2	59.7	60.4	60.4	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 16000	24.2	57.4	59.2	59.7	60.4	60.4	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 14000	24.6	57.9	59.7	60.1	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 12000	25.3	59.0	60.8	61.2	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 10000	26.6	62.2	64.3	64.8	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	27.1	62.9	65.0	65.4	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 8000	29.3	67.2	69.6	70.0	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 7000	29.7	68.3	70.7	71.1	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 6000	30.0	69.1	71.6	72.0	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 5000	30.3	70.8	73.6	74.0	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	31.6	74.1	77.0	77.4	78.7	78.8	78.8	78.8	78.8	78.9	78.9	78.9	79.0	79.0	79.0	79.0
≥ 4000	32.2	76.1	79.3	79.4	80.7	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2
≥ 3500	33.1	78.1	81.1	81.6	83.0	83.2	83.2	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.6
≥ 3000	33.6	79.8	82.9	83.2	84.7	85.0	85.0	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3
≥ 2500	33.9	81.1	84.1	84.7	86.1	86.4	86.6	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9
≥ 2000	34.0	81.7	84.7	85.2	86.8	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.6	87.6	87.6	87.6
≥ 1800	34.0	81.7	84.3	85.4	87.0	87.3	87.4	87.6	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8
≥ 1500	34.0	82.0	85.1	85.8	87.3	87.7	87.8	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2
≥ 1200	34.0	82.4	85.7	86.6	88.1	88.4	88.8	89.0	89.0	89.2	89.2	89.2	89.3	89.3	89.3	89.3
≥ 1000	34.7	82.8	86.2	87.1	88.7	89.0	89.3	89.6	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9
≥ 900	34.1	83.0	86.4	87.4	89.1	89.4	89.8	90.0	90.0	90.3	90.3	90.3	90.4	90.4	90.4	90.4
≥ 800	34.1	83.0	86.4	87.4	89.1	89.4	89.8	90.0	90.0	90.3	90.3	90.3	90.4	90.4	90.4	90.4
≥ 700	34.1	83.6	87.0	88.1	90.2	90.6	91.1	91.4	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9
≥ 600	34.2	83.8	87.6	88.7	91.0	91.4	92.0	92.3	92.3	92.7	92.7	92.7	92.8	92.8	92.8	92.8
≥ 500	34.2	83.9	88.3	89.6	92.0	92.6	93.1	93.4	93.6	93.9	93.9	93.9	94.1	94.1	94.1	94.1
≥ 400	34.2	84.1	88.7	90.1	92.7	93.6	94.3	94.8	95.0	95.4	95.4	95.4	95.7	95.7	95.7	95.7
≥ 300	34.2	84.3	88.9	90.4	93.3	94.3	95.2	95.9	96.2	96.8	96.9	96.9	97.4	97.6	97.6	97.6
≥ 200	34.2	84.3	88.9	90.4	93.3	94.3	95.4	96.2	96.7	97.3	97.6	97.6	98.3	98.4	98.4	98.4
≥ 100	34.2	84.3	88.9	90.4	93.3	94.3	95.4	96.2	96.7	97.3	97.8	97.8	98.7	98.8	98.9	99.7
≥ 2	34.2	84.3	88.9	90.4	93.3	94.3	95.4	96.2	96.7	97.3	97.8	97.8	98.7	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096

MCGUIRE AFB NJ

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	20.7	48.7	50.3	51.0	51.6	51.8	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.1
≥ 20000	22.5	53.8	55.9	56.6	57.1	57.3	57.3	57.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 18000	22.9	54.3	56.4	57.1	57.7	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2
≥ 16000	22.9	54.3	56.4	57.1	57.7	57.9	57.9	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.2
≥ 14000	23.2	54.9	57.0	57.7	58.2	58.4	58.4	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.8
≥ 12000	24.1	56.2	58.3	59.0	59.6	59.6	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.1
≥ 10000	25.0	58.6	60.7	61.3	62.1	62.3	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.7
≥ 9000	25.7	59.6	61.7	62.3	63.1	63.3	63.3	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.7
≥ 8000	28.0	64.9	67.1	67.8	68.6	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1
≥ 7000	29.3	66.6	68.9	69.6	70.3	70.6	70.6	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9
≥ 6000	29.7	67.8	70.2	70.9	71.7	71.9	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2
≥ 5000	30.9	71.6	74.3	75.0	76.1	76.4	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.8
≥ 4500	31.3	74.4	77.2	77.9	79.0	79.3	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.8
≥ 4000	31.3	76.6	79.7	80.3	81.4	81.8	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.2
≥ 3500	32.2	78.2	81.4	82.1	83.3	83.7	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1
≥ 3000	32.7	79.6	82.8	83.6	84.9	85.2	85.3	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.8
≥ 2500	32.7	80.4	83.8	84.6	86.0	86.3	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	87.0
≥ 2000	33.2	81.2	84.6	85.3	86.8	87.1	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 1800	33.2	81.2	84.6	85.3	86.8	87.1	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 1500	33.2	81.6	85.3	86.1	87.6	87.9	88.1	88.2	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.7
≥ 1200	33.2	81.6	85.3	86.2	87.8	88.3	88.6	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.1
≥ 1000	33.6	82.2	86.1	87.4	89.0	89.6	89.8	90.0	90.0	90.3	90.4	90.4	90.4	90.4	90.4	90.6
≥ 900	33.7	82.4	86.3	87.7	89.2	89.8	90.1	90.3	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.9
≥ 800	33.3	82.6	86.4	87.8	89.4	90.0	90.3	90.6	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.1
≥ 700	33.8	83.1	87.1	88.6	90.4	91.1	91.7	92.0	92.0	92.4	92.7	92.7	92.7	92.7	92.7	92.8
≥ 600	33.3	83.4	87.4	88.9	90.9	91.7	92.6	92.9	92.9	93.4	93.7	93.7	93.7	93.7	93.7	93.8
≥ 500	33.3	83.6	88.0	89.7	91.9	92.8	93.8	94.2	94.2	94.8	95.1	95.1	95.1	95.1	95.1	95.2
≥ 400	33.9	83.6	88.0	90.0	92.6	93.7	94.7	95.2	95.2	96.0	96.4	96.4	96.4	96.4	96.4	96.6
≥ 300	33.3	83.6	88.1	90.2	93.0	94.1	95.1	96.0	96.1	96.9	97.3	97.3	97.3	97.4	97.4	97.6
≥ 200	33.8	83.6	88.1	90.2	93.1	94.4	95.6	96.9	97.0	97.8	98.4	98.4	98.8	98.9	99.2	99.4
≥ 100	33.8	83.6	88.1	90.2	93.1	94.4	95.6	96.9	97.0	97.8	98.4	98.4	98.9	99.0	99.6	99.6
≥ 0	33.3	83.6	88.1	90.2	93.1	94.4	95.6	96.9	97.0	97.8	98.4	98.4	98.9	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

9900-1100
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING ≥ 20000	22.7	53.6	51.4	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IVN 18000	24.3	56.8	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IVN 16000	25.0	57.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IVN 14000	25.0	57.1	58.1	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IVN 12000	25.1	57.2	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IVN 10000	26.0	58.2	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IVN 9000	26.9	61.0	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IVN 8000	27.9	62.0	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IVN 7000	29.5	65.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IVN 6000	30.1	66.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IVN 5000	30.3	68.3	69.6	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IVN 4500	31.3	71.2	72.7	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IVN 4000	32.4	73.6	75.1	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IVN 3500	34.3	79.4	81.1	81.2	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IVN 3000	35.6	81.6	83.2	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IVN 2500	36.1	83.3	85.1	85.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IVN 2000	36.3	84.2	86.0	86.4	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IVN 1800	36.4	85.0	86.8	87.2	87.8	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IVN 1500	36.4	85.2	87.1	87.6	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IVN 1200	36.6	85.7	87.7	88.1	89.1	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IVN 1000	36.6	86.1	88.1	88.6	89.6	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IVN 900	36.9	86.8	88.9	89.4	90.6	90.9	90.9	91.0	91.1	91.2	91.3	91.3	91.4	91.4	91.4	91.4
IVN 800	36.9	87.0	89.1	89.8	91.1	91.7	91.9	92.0	92.1	92.2	92.3	92.3	92.4	92.4	92.4	92.4
IVN 700	36.9	87.2	89.6	90.2	91.8	92.3	92.9	93.1	93.2	93.3	93.4	93.4	93.6	93.6	93.6	93.6
IVN 600	36.9	87.8	90.2	91.1	93.1	93.8	94.3	94.6	94.7	94.8	94.9	94.9	95.0	95.0	95.0	95.0
IVN 500	36.9	87.8	90.4	91.3	93.6	94.6	95.3	95.7	95.8	96.0	96.1	96.1	96.2	96.2	96.2	96.2
IVN 400	36.9	88.1	90.8	91.9	94.2	95.2	96.2	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
IVN 300	36.9	88.1	90.8	92.0	94.7	95.8	97.0	97.6	97.7	98.0	98.1	98.1	98.2	98.2	98.2	98.2
IVN 200	36.9	88.1	90.8	92.0	94.7	95.9	97.1	97.7	98.0	98.4	98.6	98.7	98.8	98.8	98.8	98.8
IVN 100	36.9	88.1	90.8	92.0	94.7	96.0	97.7	98.4	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0
IVN 0	36.9	88.1	90.8	92.0	94.7	96.0	97.7	98.4	98.8	99.2	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724196

MCGUIRE AFB NJ

73-82

APR

STATION

STATION NAME

YEARS

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	22.4	53.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 20000	24.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	25.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	25.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 14000	25.1	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	25.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000	26.2	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 9000	26.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 8000	28.7	66.0	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	29.4	67.2	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	30.1	68.3	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	30.8	69.8	70.1	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	31.4	71.8	72.2	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	34.0	78.3	78.8	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	36.0	82.2	82.9	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3000	36.6	84.8	85.7	86.4	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	37.0	85.8	86.8	87.7	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	37.4	86.8	87.8	88.9	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1800	37.4	87.0	88.0	89.1	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	37.4	87.4	88.6	90.0	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1200	37.4	87.9	89.2	90.8	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1000	37.6	88.6	90.1	92.2	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 900	37.8	88.8	90.3	92.6	93.9	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 800	37.8	89.0	90.7	92.9	94.3	94.6	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 700	37.8	89.1	90.8	93.1	94.6	94.9	95.1	95.4	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 600	37.8	89.2	90.9	93.3	94.9	95.3	95.6	95.9	96.0	96.3	96.3	96.3	96.4	96.4	96.4	96.4
≥ 500	37.8	89.3	91.2	93.9	95.7	96.2	96.7	97.2	97.3	97.7	97.7	97.7	97.8	97.8	97.8	97.8
≥ 400	37.8	89.4	91.4	94.2	96.0	96.6	97.1	97.7	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2
≥ 300	37.8	89.4	91.4	94.2	96.1	96.7	97.4	98.6	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2
≥ 200	37.8	89.4	91.4	94.3	96.2	96.8	97.7	98.8	98.9	99.3	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	37.8	89.4	91.4	94.3	96.2	96.8	97.7	98.8	98.9	99.3	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	37.8	89.4	91.4	94.3	96.2	96.8	97.7	98.8	98.9	99.3	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296

MCGUIRE AFB NJ

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.9	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	26.1	56.8	57.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 18000	26.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	26.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 14000	26.4	57.8	58.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	26.9	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 10000	27.7	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 9000	28.2	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 8000	29.6	64.7	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	30.1	66.1	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	31.1	68.3	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	31.7	69.9	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500	32.6	72.0	73.1	73.3	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000	33.1	77.1	78.6	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 3500	36.2	80.7	82.3	83.1	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 3000	37.9	84.1	85.9	86.7	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 2500	38.1	84.9	86.7	87.6	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	38.1	85.2	87.0	88.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1800	38.1	85.3	87.1	88.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	38.3	86.0	88.1	89.2	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	38.6	86.7	88.9	90.1	91.6	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	39.1	87.2	89.7	91.1	92.9	93.1	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 900	39.1	87.2	89.7	91.1	93.2	93.4	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	39.1	87.8	90.2	91.7	93.9	94.1	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	39.2	88.0	90.6	92.1	94.6	94.9	95.2	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 600	39.2	88.2	90.8	92.3	94.8	95.1	95.4	95.8	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	39.2	88.2	90.8	92.3	95.4	96.0	96.3	96.8	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	39.2	88.2	90.9	92.6	95.9	96.4	96.8	97.2	97.4	98.1	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	39.2	88.2	91.0	92.7	96.0	96.8	97.3	98.1	98.3	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	39.2	88.2	91.0	92.7	96.0	96.8	97.3	98.1	98.3	99.1	99.3	99.4	99.6	99.6	99.6	99.6
≥ 100	39.2	88.2	91.0	92.7	96.0	96.8	97.3	98.1	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7
≥ 0	39.2	88.2	91.0	92.7	96.0	96.8	97.3	98.1	98.3	99.1	99.4	99.6	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296

MCGUIRE AFB NJ

73-82

APC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	24.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000	26.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IN 18000	27.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IN 16000	27.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IN 14000	27.3	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IN 12000	28.2	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IN 10000	30.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IN 9300	30.3	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IN 8000	32.2	70.3	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IN 7000	32.6	71.2	71.4	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IN 6000	33.2	72.6	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IN 5000	34.0	75.1	75.4	76.0	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IN 4500	34.9	77.7	78.1	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IN 4000	36.0	80.1	80.6	81.4	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IN 3500	37.3	82.3	82.8	83.8	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IN 3000	37.7	84.4	84.9	85.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IN 2500	38.0	85.1	85.6	86.8	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IN 2000	38.1	85.7	86.3	87.7	88.9	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IN 1800	38.1	85.9	86.6	87.9	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IN 1500	38.3	86.3	87.1	88.7	90.1	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IN 1200	38.6	86.6	87.3	88.9	90.3	90.8	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IN 1000	38.7	86.9	88.0	89.6	91.4	92.0	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IN 900	38.7	87.2	88.3	89.9	91.8	92.3	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IN 800	38.7	87.3	88.4	90.2	92.1	92.8	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IN 700	38.7	87.9	89.0	90.9	92.9	93.6	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IN 600	38.7	88.0	89.1	91.0	93.1	94.0	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IN 500	38.7	88.2	89.6	91.4	94.6	95.4	96.4	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IN 400	38.7	88.2	89.6	91.4	94.8	95.7	97.2	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IN 300	38.7	88.2	89.6	91.4	94.8	95.7	97.6	98.2	98.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IN 200	38.7	88.2	89.6	91.4	94.8	95.7	97.6	98.4	98.8	99.4	99.4	99.4	99.8	99.9	99.9	99.9
IN 100	38.7	88.2	89.6	91.4	94.8	95.7	97.6	98.4	98.8	99.4	99.4	99.4	99.8	99.9	99.9	99.9
IN 0	38.7	88.2	89.6	91.4	94.8	95.7	97.6	98.4	98.8	99.4	99.4	99.4	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496

MCGUIRE AFB NJ

73-82

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

210-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.1	58.7	59.3	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9
≥ 20000	28.4	63.4	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 18000	28.4	63.4	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 16000	28.4	63.4	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 14000	29.4	64.4	65.1	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7
≥ 12000	30.3	66.2	66.9	67.1	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
≥ 10000	31.6	69.6	70.2	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8
≥ 9000	31.9	70.1	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3
≥ 8000	33.7	73.9	74.9	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6
≥ 7000	34.0	74.6	75.6	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2
≥ 6000	34.3	75.7	76.7	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3
≥ 5000	34.3	78.1	79.4	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4
≥ 4500	35.7	80.2	81.9	82.4	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2
≥ 4000	36.2	81.0	82.7	83.3	83.9	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3
≥ 3500	36.2	81.9	83.8	84.7	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9	86.0	86.0
≥ 3000	36.7	83.3	85.3	86.3	87.0	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.9	87.9
≥ 2500	36.8	84.1	86.3	87.6	88.2	88.4	88.7	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.1	89.1
≥ 2000	36.9	84.3	86.6	88.0	88.7	88.9	89.1	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.6	89.6
≥ 1800	36.9	84.4	86.7	88.2	88.9	89.1	89.3	89.4	89.4	89.4	89.4	89.7	89.7	89.7	89.8	89.8
≥ 1500	37.1	84.9	87.2	88.9	89.6	89.8	90.0	90.1	90.1	90.1	90.1	90.3	90.3	90.3	90.4	90.4
≥ 1200	37.4	85.3	87.8	89.4	90.1	90.6	90.9	91.0	91.0	91.0	91.0	91.2	91.2	91.2	91.3	91.3
≥ 1000	37.8	85.7	88.4	90.1	91.0	91.6	91.9	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.3	92.3
≥ 900	37.9	85.8	88.7	90.3	91.3	91.9	92.2	92.3	92.3	92.3	92.3	92.6	92.6	92.6	92.7	92.7
≥ 800	37.9	85.8	88.7	90.4	91.6	92.2	92.9	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.3	93.3
≥ 700	38.1	86.2	89.2	91.0	92.1	93.0	93.7	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.1	94.1
≥ 600	38.1	86.4	89.4	91.2	92.4	93.4	94.1	94.2	94.2	94.2	94.2	94.4	94.4	94.4	94.6	94.6
≥ 500	38.1	87.0	90.2	92.0	93.9	95.0	96.1	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.6	96.6
≥ 400	38.0	87.3	90.6	92.3	94.8	96.2	97.7	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.1	98.1
≥ 300	38.1	87.3	90.6	92.3	94.9	96.3	98.0	98.1	98.1	98.1	98.1	98.2	98.6	98.6	98.7	98.7
≥ 200	38.0	87.3	90.6	92.3	94.9	96.3	98.0	98.1	98.2	98.2	98.2	98.8	99.2	99.2	99.3	99.4
≥ 100	38.0	87.3	90.6	92.3	94.9	96.3	98.0	98.2	98.3	98.3	98.3	99.0	99.4	99.4	99.6	99.9
≥ 0	38.0	87.3	90.6	92.3	94.9	96.3	98.0	98.2	98.3	98.3	98.3	99.0	99.4	99.4	99.6	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

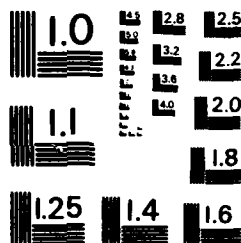
CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	23.3	52.6	53.4	53.6	53.7	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 7000	25.3	58.7	59.6	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
≥ 18000	26.0	56.9	59.8	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 5700	26.3	58.9	59.8	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	26.3	59.5	61.3	60.5	60.7	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	27.3	63.9	61.8	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 11000	28.0	63.3	64.3	64.5	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	28.6	64.1	65.1	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.6	65.6
≥ 8000	30.3	67.9	69.1	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
≥ 7000	30.3	68.9	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 6000	31.4	70.2	71.5	71.7	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 5000	32.2	72.6	74.1	74.4	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1
≥ 4500	33.0	75.2	76.8	77.3	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	34.2	78.5	80.3	80.8	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	35.1	80.7	82.6	83.2	84.0	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000	35.5	82.7	84.7	85.4	86.2	86.4	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7
≥ 2500	36.7	83.6	85.7	86.4	87.3	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.9
≥ 2000	36.2	84.1	86.3	87.1	88.1	88.3	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.7	88.7	88.7
≥ 1800	36.2	84.3	86.4	87.3	88.4	88.6	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1500	36.3	84.7	87.0	88.0	89.1	89.3	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1200	36.5	85.1	87.5	88.6	89.8	90.1	90.4	90.4	90.4	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1000	36.7	85.6	88.2	89.5	90.9	91.3	91.6	91.7	91.7	91.6	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	36.3	85.8	88.4	89.8	91.3	91.7	92.0	92.1	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4
≥ 800	36.8	86.0	88.7	90.0	91.7	92.1	92.5	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	36.8	86.4	89.1	90.6	92.4	92.9	93.4	93.7	93.7	93.9	94.0	94.0	94.0	94.0	94.1	94.1
≥ 600	36.9	86.6	89.3	90.9	92.9	93.6	94.1	94.4	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.9
≥ 500	36.9	86.8	89.8	91.5	93.9	94.7	95.5	95.8	95.9	96.2	96.3	96.3	96.4	96.4	96.4	96.4
≥ 400	36.9	86.9	90.0	91.8	94.4	95.4	96.3	96.8	96.9	97.3	97.4	97.4	97.5	97.5	97.5	97.5
≥ 300	36.9	86.9	90.0	91.9	94.7	95.6	96.8	97.4	97.6	98.1	98.2	98.3	98.4	98.4	98.4	98.4
≥ 200	36.9	86.9	90.0	91.9	94.7	95.8	97.0	97.8	98.1	98.7	99.0	99.1	99.4	99.4	99.5	99.6
≥ 100	36.9	86.9	90.0	91.9	94.7	95.8	97.0	97.8	98.1	98.7	99.1	99.1	99.5	99.5	99.7	99.9
≥ 0	36.9	86.9	90.0	91.9	94.7	95.8	97.0	97.8	98.1	98.7	99.1	99.1	99.5	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

UNCLASSIFIED

MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 20 JUL 83
USAFETAC/DS-83/028 SBI-AD-E850 417 F/G 4/2

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724196
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

C300-0500
FORM

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	16.0	40.3	41.9	42.9	44.7	45.4	45.9	46.5	46.6	46.7	46.7	46.7	46.8	46.8	47.0	47.1
≥ 20000	17.0	43.9	46.1	47.4	49.4	50.0	50.6	51.4	51.5	51.6	51.7	51.7	51.9	51.9	52.2	52.3
IV 18000	17.2	44.1	46.3	47.6	49.6	50.2	50.9	51.6	51.7	51.8	51.9	51.9	52.2	52.2	52.4	52.5
IV 16000	17.2	44.1	46.3	47.6	49.6	50.2	50.9	51.6	51.7	51.8	51.9	51.9	52.2	52.2	52.4	52.5
IV 14000	17.2	44.3	46.6	48.0	49.9	50.5	51.2	51.9	52.0	52.2	52.3	52.3	52.5	52.5	52.7	52.8
IV 12000	17.3	44.5	46.8	48.2	50.1	50.8	51.4	52.2	52.3	52.4	52.5	52.5	52.7	52.7	52.9	53.0
IV 10000	17.6	46.8	49.4	50.9	53.0	53.7	54.5	55.3	55.4	55.5	55.6	55.6	55.8	55.8	56.0	56.1
IV 9000	19.0	47.5	50.3	51.9	54.1	54.7	55.6	56.3	56.6	56.7	56.8	56.8	57.0	57.0	57.2	57.3
IV 8000	20.4	52.2	55.1	56.8	59.1	60.7	60.9	61.6	61.8	61.9	62.0	62.0	62.3	62.3	62.5	62.6
IV 7000	21.3	53.9	57.1	58.8	61.2	62.0	63.0	63.8	64.0	64.1	64.2	64.2	64.4	64.4	64.6	64.9
IV 6000	21.5	54.6	57.8	59.8	62.2	63.0	64.0	64.7	64.9	65.1	65.2	65.2	65.4	65.4	65.6	65.9
IV 5000	22.7	57.1	60.5	63.0	65.5	66.3	67.4	68.4	68.6	68.7	68.8	68.8	69.0	69.0	69.2	69.6
IV 4500	23.3	59.7	62.5	65.1	67.7	68.6	69.8	70.8	71.0	71.1	71.2	71.2	71.4	71.4	71.6	71.9
IV 4000	23.3	59.4	63.1	65.8	68.5	69.5	70.8	71.7	71.9	72.0	72.2	72.2	72.4	72.4	72.6	72.9
IV 3500	23.7	59.8	63.7	66.3	69.0	70.0	71.3	72.3	72.5	72.6	72.7	72.7	72.9	72.9	73.1	73.4
IV 3000	23.7	60.5	64.4	67.6	70.4	71.4	72.7	73.8	74.0	74.2	74.3	74.3	74.5	74.5	74.7	75.1
IV 2500	23.8	61.0	64.8	68.3	71.1	72.2	73.4	74.5	74.7	74.9	75.1	75.1	75.3	75.3	75.5	75.8
IV 2000	24.1	62.0	66.0	69.8	72.7	73.8	75.4	76.5	76.7	76.9	77.0	77.0	77.2	77.2	77.4	77.7
IV 1800	24.1	62.2	66.2	70.1	73.1	74.2	75.8	76.9	77.1	77.3	77.4	77.4	77.6	77.6	77.8	78.2
IV 1500	24.5	63.3	67.8	71.8	74.8	75.9	77.5	78.7	78.9	79.1	79.2	79.2	79.5	79.5	79.7	80.0
IV 1200	24.5	63.5	68.1	72.2	75.3	76.5	78.1	79.2	79.5	79.7	79.8	79.8	80.0	80.0	80.2	80.5
IV 1000	24.6	63.8	68.4	72.5	75.8	77.1	79.2	80.4	80.8	81.0	81.1	81.1	81.3	81.3	81.5	81.8
IV 900	24.9	64.1	68.9	73.0	76.5	77.7	80.0	81.4	81.7	81.9	82.0	82.0	82.3	82.3	82.5	82.8
IV 800	25.1	64.2	69.1	73.2	76.8	78.2	80.4	81.9	82.3	82.5	82.6	82.6	82.8	82.8	83.0	83.3
IV 700	25.1	64.4	69.4	73.7	77.3	78.7	81.0	82.5	82.8	83.2	83.3	83.3	83.5	83.5	83.9	84.2
IV 600	25.1	64.4	69.6	74.0	77.7	79.2	81.7	83.2	83.5	84.0	84.1	84.1	84.3	84.3	84.6	84.9
IV 500	25.1	64.6	70.3	74.8	78.8	80.4	83.0	84.6	84.9	85.4	85.6	85.6	85.8	85.8	86.1	86.5
IV 400	25.1	64.7	70.6	75.4	79.6	81.3	84.0	85.8	86.2	86.8	87.0	87.0	87.3	87.4	88.0	88.4
IV 300	25.1	64.7	70.6	75.4	80.2	82.0	86.0	88.3	88.9	89.8	90.0	90.1	90.6	91.0	91.6	92.2
IV 200	25.1	64.7	70.6	75.4	80.4	82.4	86.7	90.0	90.6	91.7	92.4	92.6	93.2	93.8	94.8	96.2
IV 100	25.1	64.7	70.8	75.5	80.5	82.6	87.0	90.6	91.3	92.5	93.1	93.3	94.5	95.2	96.7	99.0
IV 0	25.1	64.7	70.8	75.5	80.5	82.6	87.0	90.6	91.3	92.5	93.1	93.3	94.5	95.2	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724086

MCGUIRE AFB NJ

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	14.1	38.8	40.3	41.3	42.5	42.8	43.6	43.9	44.0	44.0	44.1	44.1	44.1	44.1	44.2	44.3
≥ 20000	15.3	44.0	46.3	47.8	49.5	49.9	50.9	51.5	51.6	51.6	51.7	51.7	51.7	51.7	51.8	51.9
≥ 18000	16.4	44.8	47.0	48.5	50.3	50.7	51.7	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.5	52.6
≥ 16000	16.4	44.8	47.0	48.5	50.3	50.7	51.7	52.2	52.3	52.3	52.4	52.4	52.4	52.4	52.5	52.6
≥ 14000	16.6	45.4	47.7	49.2	50.9	51.3	52.3	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.2	53.3
≥ 12000	17.0	46.2	48.5	50.1	51.8	52.3	53.3	53.8	53.9	53.9	54.0	54.0	54.0	54.0	54.1	54.3
≥ 10000	17.5	48.9	52.0	53.7	55.8	56.3	57.4	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.4
≥ 9000	17.7	49.2	52.4	54.4	56.4	57.2	58.2	58.8	58.9	59.0	59.1	59.1	59.1	59.1	59.2	59.3
≥ 8000	19.3	52.9	56.5	58.7	60.8	61.6	62.8	63.4	63.6	63.7	63.8	63.8	63.8	63.8	63.9	64.0
≥ 7000	19.5	54.1	58.1	60.4	62.5	63.4	64.6	65.2	65.4	65.6	65.7	65.7	65.7	65.7	65.8	65.9
≥ 6000	19.6	54.5	58.4	60.7	62.9	63.7	64.9	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.1	66.2
≥ 5000	21.2	56.8	60.9	63.5	66.1	67.0	68.1	68.8	69.0	69.2	69.3	69.3	69.3	69.3	69.4	69.5
≥ 4500	21.7	57.9	62.1	64.9	67.7	68.6	69.9	70.5	70.7	70.9	71.0	71.0	71.0	71.0	71.2	71.3
≥ 4000	21.9	58.2	62.9	65.7	68.7	69.5	70.8	71.5	71.7	71.9	72.1	72.1	72.2	72.2	72.3	72.6
≥ 3500	22.1	59.0	63.7	66.5	69.6	70.5	71.8	72.4	72.7	72.9	73.1	73.1	73.2	73.2	73.3	73.5
≥ 3000	22.2	59.5	64.5	67.4	70.7	71.6	72.9	73.5	73.7	74.0	74.2	74.2	74.3	74.3	74.4	74.6
≥ 2500	22.4	60.4	65.3	68.2	71.6	72.6	74.0	74.6	74.8	75.0	75.2	75.2	75.3	75.3	75.5	75.7
≥ 2000	22.8	61.0	66.0	69.0	72.3	73.3	74.7	75.3	75.6	75.8	76.1	76.1	76.2	76.2	76.3	76.5
≥ 1800	22.8	61.1	66.1	69.1	72.4	73.4	74.8	75.5	75.7	75.9	76.2	76.2	76.3	76.3	76.4	76.6
≥ 1500	23.0	61.9	66.8	69.9	73.3	74.4	75.8	76.5	76.7	77.0	77.3	77.3	77.4	77.4	77.5	77.7
≥ 1200	23.5	62.8	67.7	70.9	74.5	75.6	77.0	77.7	77.9	78.1	78.5	78.5	78.6	78.6	78.7	78.9
≥ 1000	23.9	63.5	68.6	71.9	76.1	77.3	79.4	80.4	80.6	80.8	81.2	81.2	81.3	81.3	81.4	81.6
≥ 900	23.9	63.6	68.7	72.1	76.3	77.5	79.9	80.8	81.1	81.3	81.6	81.6	81.7	81.7	81.8	82.0
≥ 800	23.9	63.8	69.0	72.8	77.2	78.7	81.2	82.2	82.5	82.7	83.0	83.0	83.1	83.1	83.2	83.4
≥ 700	24.0	64.0	69.3	73.2	77.6	79.2	81.8	82.9	83.1	83.3	83.6	83.6	83.7	83.7	83.9	84.1
≥ 600	24.0	64.2	69.5	73.6	78.4	80.0	82.7	83.7	84.0	84.3	84.6	84.6	84.7	84.7	84.8	85.0
≥ 500	24.0	64.4	69.9	74.1	79.3	81.3	84.5	85.9	86.4	86.9	87.3	87.3	87.4	87.4	87.5	87.7
≥ 400	24.0	64.6	70.4	74.8	80.7	82.7	86.3	88.3	88.9	89.7	90.6	90.6	90.9	90.9	91.0	91.2
≥ 300	24.0	64.7	70.5	75.1	81.5	83.6	87.6	89.8	90.6	91.7	93.1	93.1	93.6	93.6	93.9	94.1
≥ 200	24.0	64.7	70.5	75.1	81.5	83.6	87.7	90.1	91.2	92.9	94.7	95.0	96.4	96.7	97.5	98.1
≥ 100	24.0	64.7	70.5	75.1	81.5	83.6	87.8	90.2	91.3	93.0	94.8	95.3	96.9	97.3	98.2	99.8
≥ 0	24.0	64.7	70.5	75.1	81.5	83.6	87.8	90.2	91.3	93.0	94.8	95.3	96.9	97.3	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724396
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	17.5	43.9	45.5	46.4	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	19.6	50.5	52.3	53.3	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 18000	19.9	51.1	53.1	54.0	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	20.0	51.2	53.2	54.1	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	20.0	51.5	53.4	54.4	54.8	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 12000	20.8	52.9	54.9	55.9	56.3	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 10000	21.5	55.0	57.6	59.0	59.6	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	21.6	55.4	58.1	59.5	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	22.8	58.3	61.1	62.9	63.6	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	23.3	59.6	62.8	64.7	65.6	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 6000	23.4	59.8	63.0	64.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	24.3	61.2	64.5	66.6	67.7	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500	25.4	62.6	65.9	68.1	69.2	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4000	26.3	64.3	67.8	70.1	71.3	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3500	26.4	65.9	69.4	71.7	73.1	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	27.3	67.8	71.6	74.0	75.3	75.8	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	28.0	69.5	73.3	75.7	77.1	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 2000	28.5	70.6	74.5	77.0	78.7	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	28.8	71.3	75.3	77.9	79.7	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1500	29.5	72.7	77.0	79.7	82.0	82.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	29.8	74.2	78.8	81.6	84.3	84.9	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1000	30.0	75.0	80.1	83.0	86.2	87.1	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 900	30.1	75.2	80.3	83.4	86.9	88.1	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 800	30.1	75.5	80.7	84.1	87.8	89.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 700	30.2	76.0	81.3	84.9	89.0	90.4	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	30.2	76.2	81.6	85.3	89.5	91.1	92.7	92.8	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1
≥ 500	30.4	76.5	82.0	86.0	90.7	92.8	94.7	95.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5
≥ 400	30.5	77.0	82.8	86.8	91.9	94.1	96.3	96.9	97.0	97.5	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	30.5	77.1	83.0	87.1	92.5	94.7	97.1	97.8	98.2	98.8	99.5	99.5	99.6	99.6	99.6	99.6
≥ 200	30.5	77.1	83.0	87.1	92.5	94.7	97.1	98.0	98.3	99.1	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	30.5	77.1	83.0	87.1	92.5	94.7	97.1	98.0	98.3	99.1	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	30.5	77.1	83.0	87.1	92.5	94.7	97.1	98.0	98.3	99.1	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724196

MCGUIRE AFB NJ

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1230-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING	16.7	40.2	41.6	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 20000	18.8	48.2	49.9	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 18000	19.4	48.8	50.5	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 16000	19.4	49.0	50.8	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	19.4	49.1	50.9	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 12000	20.8	51.1	52.8	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 10000	21.8	54.3	56.1	57.0	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 9000	22.0	55.1	56.9	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	23.3	58.0	59.9	60.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 7000	24.7	59.8	61.9	62.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 6000	24.4	60.9	63.1	64.1	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 5000	24.8	62.4	64.9	65.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	25.8	64.5	67.2	68.2	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	28.4	68.5	71.5	72.5	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	29.6	71.6	74.8	76.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	31.2	76.3	79.6	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 2500	32.2	78.9	82.4	83.9	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2000	32.6	80.4	84.2	85.7	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	32.9	81.3	85.3	86.9	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	33.0	81.8	86.3	88.1	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	33.1	83.1	88.1	90.0	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	33.5	83.8	88.7	90.8	92.4	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 900	33.5	84.0	89.0	91.1	92.9	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 800	33.5	84.1	89.1	91.7	93.9	94.5	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 700	33.5	84.3	89.5	92.4	94.9	95.6	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 600	33.5	84.5	89.9	92.8	95.6	96.7	97.0	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	33.5	84.6	90.1	93.0	95.8	96.9	97.6	98.2	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	33.5	84.6	90.1	93.0	95.8	96.9	97.6	98.2	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	33.5	84.6	90.1	93.0	96.0	97.1	98.2	99.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	33.5	84.6	90.1	93.0	96.0	97.1	98.2	99.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	33.5	84.6	90.1	93.0	96.0	97.1	98.2	99.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	33.5	84.6	90.1	93.0	96.0	97.1	98.2	99.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	33.5	84.6	90.1	93.0	96.0	97.1	98.2	99.2	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 937

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	16.3	39.9	41.0	41.6	41.8	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 20000	19.2	49.1	50.5	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	19.8	50.0	51.4	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 16000	19.9	50.1	51.5	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	20.3	50.5	51.9	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 12000	21.5	52.3	53.7	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	22.5	55.6	57.1	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	22.6	56.6	58.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	24.1	60.5	62.4	63.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 7000	25.1	62.3	64.1	65.5	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 6000	25.6	63.2	65.3	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 5000	26.5	65.8	68.0	69.4	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	27.3	68.4	70.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	29.3	71.8	74.1	75.8	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	29.9	74.8	77.6	79.6	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3000	30.4	78.5	81.6	83.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	31.3	80.8	84.0	86.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	32.2	83.0	86.5	88.7	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	32.4	83.2	86.7	89.0	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	32.6	84.0	87.8	90.3	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1200	32.6	84.2	88.1	90.8	92.0	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	32.6	84.5	88.7	91.4	92.8	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 900	32.6	84.5	88.9	91.8	93.2	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 800	32.6	84.7	89.4	92.4	93.8	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 700	32.6	85.1	89.8	93.1	94.5	95.1	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	32.6	85.1	89.8	93.1	94.8	95.4	95.7	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	32.6	85.1	90.1	93.5	95.7	96.2	96.8	97.2	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	32.6	85.1	90.1	93.7	95.9	96.5	97.1	98.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	32.6	85.1	90.1	93.7	95.9	96.5	97.1	98.6	98.9	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 200	32.6	85.1	90.1	93.7	95.9	96.5	97.1	98.7	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	32.6	85.1	90.1	93.7	95.9	96.5	97.1	98.7	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	32.6	85.1	90.1	93.7	95.9	96.5	97.1	98.7	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296 MCGUIRE AFB NJ

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	15.7	42.2	43.1	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	19.7	50.2	51.4	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 18000	19.2	50.6	51.6	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 16000	19.2	50.6	51.6	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 14000	20.2	51.6	52.8	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 12000	21.1	53.2	54.4	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 10000	22.3	56.8	58.0	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 9000	22.3	57.6	58.9	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 8000	23.7	61.0	62.3	63.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 7000	25.9	64.3	65.9	67.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 6000	25.9	65.3	66.9	68.0	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
IV 5000	25.7	67.8	69.5	70.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
IV 4500	27.7	70.4	72.7	74.0	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4000	28.9	73.0	75.4	77.5	78.9	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3500	29.0	75.1	77.7	80.3	81.8	82.2	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 3000	29.4	76.5	79.5	82.5	84.1	84.4	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2500	29.6	78.0	81.1	84.3	86.0	86.3	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 2000	29.9	78.9	82.2	85.4	87.2	87.5	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1800	30.0	79.0	82.3	85.5	87.3	87.6	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1500	30.2	79.9	83.3	86.8	88.7	89.2	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	30.4	80.1	83.9	87.3	89.2	89.8	90.3	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 1000	30.5	80.3	84.2	87.6	89.7	90.2	91.0	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 900	30.5	80.3	84.2	87.7	89.8	90.4	91.2	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 800	30.5	80.8	84.6	88.2	90.5	91.2	92.0	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700	30.5	80.9	84.7	88.5	91.1	91.9	92.9	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 600	30.5	80.9	84.7	88.5	91.3	92.2	93.4	93.9	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500	30.5	81.3	85.3	89.0	92.5	93.9	95.4	96.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	30.5	81.3	85.3	89.0	92.8	94.2	95.8	97.0	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6
IV 300	30.5	81.3	85.3	89.0	92.8	94.3	96.1	97.5	98.0	98.6	99.0	99.0	99.0	99.0	99.0	99.0
IV 200	30.5	81.3	85.3	89.0	92.8	94.3	96.1	97.5	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	30.5	81.3	85.3	89.0	92.8	94.3	96.1	97.5	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6
IV 50	30.5	81.3	85.3	89.0	92.8	94.3	96.1	97.5	98.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

MAY
MO

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2100
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	18.8	46.9	48.1	48.6	48.7	48.7	48.8	48.8	48.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	21.1	51.5	52.9	54.0	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	21.2	51.9	53.3	54.4	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	21.2	51.9	53.3	54.4	55.1	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 14000	21.4	52.6	54.0	55.1	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	22.2	53.7	55.1	56.1	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	23.0	57.1	58.6	59.8	60.5	60.5	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	23.2	57.4	58.9	60.1	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 8000	24.9	61.4	62.9	64.1	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	25.8	63.2	64.8	66.1	67.2	67.2	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 6000	25.8	63.7	65.3	66.6	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 5000	26.1	65.1	66.7	68.0	69.0	69.0	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	26.5	66.9	68.8	70.3	71.5	71.5	71.6	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4000	27.1	69.0	71.2	72.9	74.2	74.2	74.6	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500	27.8	71.5	73.7	75.4	76.8	77.2	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	28.7	73.0	75.6	77.7	79.7	80.2	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2500	28.9	74.6	77.5	79.9	81.9	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	28.9	76.1	79.5	81.8	84.1	84.6	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800	29.0	76.3	79.8	82.2	84.4	84.9	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 1500	29.1	76.6	80.3	82.7	84.9	85.5	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1200	29.2	76.7	80.5	82.9	85.3	86.0	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 1000	29.2	76.9	81.0	83.8	86.2	87.1	87.7	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 900	29.2	76.9	81.2	84.0	86.5	87.5	88.2	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	29.2	77.0	81.3	84.1	86.7	87.8	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	29.4	77.2	81.8	84.9	87.6	89.1	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600	29.4	77.3	82.0	85.3	88.6	90.1	91.0	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 500	29.4	77.7	82.6	85.9	89.6	91.5	92.7	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 400	29.4	77.7	82.8	86.1	90.2	92.4	93.8	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 300	29.4	77.7	82.8	86.1	90.3	92.6	94.1	95.2	95.2	95.5	95.6	95.6	95.7	95.7	95.7	95.7
≥ 200	29.4	77.7	82.9	86.2	90.5	92.8	94.9	96.6	96.6	97.0	97.3	97.5	97.7	97.8	98.0	98.2
≥ 100	29.4	77.7	82.9	86.2	90.5	92.8	94.9	96.6	96.6	97.1	97.5	97.8	98.4	98.7	99.1	99.6
≥ 0	29.4	77.7	82.9	86.2	90.5	92.8	94.9	96.6	96.6	97.2	97.6	98.0	98.5	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296 MCGUIRE AFB NJ

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	16.7	42.3	43.8	44.5	45.1	45.3	45.5	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.8
≥ 20000	18.7	48.4	50.2	51.2	52.0	52.2	52.5	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.9
IV 18000	19.1	48.9	50.8	51.7	52.6	52.8	53.0	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.4	53.5
IV 16000	19.1	49.0	50.9	51.8	52.6	52.8	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.5
IV 14000	19.3	49.4	51.3	52.3	53.1	53.3	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	54.0
IV 12000	20.1	50.6	52.5	53.5	54.4	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.3
IV 10000	20.9	53.7	55.8	57.0	58.1	58.3	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.1
IV 9000	21.1	54.2	56.4	57.7	58.9	59.1	59.4	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.8	59.9
IV 8000	22.7	57.9	60.3	61.7	63.0	63.2	63.6	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	64.0
IV 7000	23.5	59.6	62.2	63.6	64.9	65.2	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	66.0	66.1
IV 6000	23.7	60.3	62.9	64.4	65.8	66.0	66.4	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.8	66.9
IV 5000	24.6	62.4	65.1	66.8	68.2	68.5	68.9	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.5
IV 4500	25.3	64.2	67.2	69.1	70.6	70.9	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.8	71.9
IV 4000	26.2	66.2	69.4	71.4	73.0	73.4	74.0	74.2	74.2	74.3	74.4	74.4	74.4	74.4	74.5	74.6
IV 3500	26.7	68.0	71.4	73.5	75.2	75.6	76.2	76.4	76.4	76.5	76.6	76.6	76.6	76.6	76.7	76.8
IV 3000	27.3	69.9	73.6	75.9	77.7	78.2	78.8	79.0	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.5
IV 2500	27.7	71.4	75.2	77.6	79.5	80.0	80.6	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.3
IV 2000	28.1	72.7	76.7	79.2	81.2	81.7	82.4	82.6	82.7	82.8	82.9	82.9	82.9	82.9	83.0	83.1
IV 1800	28.3	73.0	77.1	79.6	81.7	82.2	82.8	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.6
IV 1500	28.5	73.8	78.1	80.8	83.1	83.7	84.4	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.2
IV 1200	28.7	74.4	78.9	81.7	84.1	84.8	85.5	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.3
IV 1000	28.8	74.8	79.5	82.4	85.0	85.8	86.8	87.2	87.2	87.4	87.4	87.4	87.5	87.5	87.5	87.7
IV 900	28.9	74.9	79.7	82.8	85.5	86.4	87.3	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.3
IV 800	28.9	75.1	80.0	83.2	86.1	87.1	88.1	88.6	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.1
IV 700	28.9	75.4	80.4	83.9	86.9	88.0	89.2	89.6	89.8	89.9	90.0	90.0	90.0	90.0	90.1	90.3
IV 600	28.9	75.5	80.7	84.2	87.5	88.7	90.0	90.5	90.6	90.8	90.9	90.9	91.0	91.0	91.0	91.2
IV 500	29.0	75.8	81.2	84.8	88.5	90.0	91.6	92.4	92.6	92.8	93.0	93.0	93.0	93.0	93.1	93.2
IV 400	29.0	75.9	81.4	85.1	89.2	90.7	92.6	93.7	93.9	94.3	94.6	94.6	94.7	94.7	94.8	95.0
IV 300	29.0	75.9	81.5	85.3	89.6	91.2	93.4	94.9	95.3	95.8	96.3	96.3	96.5	96.5	96.7	96.8
IV 200	29.0	75.9	81.5	85.3	89.6	91.3	93.7	95.5	95.9	96.7	97.3	97.4	97.8	97.9	98.3	98.7
IV 100	29.0	75.9	81.5	85.3	89.6	91.4	93.8	95.6	96.0	96.8	97.4	97.6	98.1	98.4	98.8	99.7
IV 0	29.0	75.9	81.5	85.3	89.6	91.4	93.8	95.6	96.0	96.8	97.4	97.6	98.1	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	11.6	43.0	46.2	47.9	50.1	50.4	50.8	51.1	51.1	51.1	51.2	51.3	51.3	51.3	51.3	51.3
≥ 20000	12.5	47.2	50.9	53.4	55.6	56.0	56.4	56.7	56.7	56.7	56.8	57.0	57.0	57.0	57.0	57.0
≥ 18000	12.6	47.3	51.1	53.5	55.7	56.1	56.5	56.8	56.8	56.8	57.0	57.1	57.1	57.1	57.1	57.1
≥ 16000	12.6	47.3	51.1	53.5	55.7	56.1	56.5	56.8	56.8	56.8	57.0	57.1	57.1	57.1	57.1	57.1
≥ 14000	12.6	47.6	51.4	53.8	56.1	56.4	56.8	57.2	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4
≥ 12000	12.6	48.2	52.1	55.1	57.3	57.6	58.1	58.4	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6
≥ 10000	13.5	52.2	56.5	59.7	62.2	62.5	63.2	63.6	63.6	63.7	63.8	64.0	64.0	64.0	64.0	64.0
≥ 9000	13.7	52.9	57.3	60.5	63.0	63.3	64.1	64.5	64.5	64.6	64.7	64.8	64.8	64.8	64.8	64.8
≥ 8000	14.6	54.8	59.6	63.4	66.3	66.7	67.5	68.0	68.0	68.1	68.2	68.3	68.3	68.3	68.3	68.3
≥ 7000	14.8	56.2	61.0	64.7	67.6	68.2	69.0	69.4	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7
≥ 6000	14.9	56.8	61.6	65.4	68.3	69.1	69.9	70.3	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.6
≥ 5000	14.9	58.6	63.6	67.6	70.5	71.3	72.1	72.5	72.5	72.6	72.7	72.9	72.9	72.9	72.9	72.9
≥ 4500	15.4	60.6	65.6	69.6	72.7	73.5	74.3	74.7	74.7	74.9	75.0	75.1	75.1	75.1	75.1	75.1
≥ 4000	15.4	61.2	66.7	71.1	74.3	75.1	75.9	76.3	76.3	76.5	76.6	76.8	76.8	76.8	76.8	76.8
≥ 3500	15.6	62.4	68.3	72.6	76.1	76.9	77.8	78.2	78.2	78.4	78.5	78.6	78.6	78.6	78.6	78.6
≥ 3000	15.6	63.0	69.3	74.0	78.3	79.1	80.0	80.4	80.4	80.6	80.8	80.9	80.9	80.9	80.9	80.9
≥ 2500	16.0	64.0	70.5	75.2	79.8	80.5	81.4	81.9	81.9	82.1	82.2	82.3	82.3	82.3	82.3	82.3
≥ 2000	16.0	64.1	70.7	75.4	80.0	80.8	81.6	82.1	82.1	82.3	82.4	82.5	82.5	82.5	82.5	82.5
≥ 1800	16.0	64.3	71.0	75.6	80.2	81.0	81.9	82.3	82.3	82.5	82.6	82.8	82.8	82.8	82.8	82.8
≥ 1500	16.7	65.5	72.3	77.0	81.6	82.4	83.3	83.8	83.8	84.0	84.1	84.2	84.2	84.2	84.2	84.2
≥ 1200	16.7	65.6	72.5	77.3	82.0	82.8	83.6	84.1	84.1	84.3	84.4	84.5	84.5	84.5	84.5	84.5
≥ 1000	16.7	66.1	73.0	78.0	83.0	83.8	84.6	85.1	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5
≥ 900	16.7	66.2	73.1	78.1	83.2	84.0	84.9	85.3	85.4	85.7	85.8	85.9	85.9	85.9	85.9	85.9
≥ 800	16.7	66.6	73.5	78.6	83.9	84.8	85.7	86.1	86.2	86.4	86.5	86.7	86.7	86.7	86.7	86.7
≥ 700	16.8	67.3	74.6	79.8	85.1	86.0	86.9	87.3	87.4	87.7	87.8	87.9	87.9	87.9	87.9	87.9
≥ 600	16.8	67.6	75.7	80.2	85.8	86.7	87.5	88.0	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5
≥ 500	17.2	68.3	75.9	81.2	87.4	88.3	89.4	89.9	90.0	90.2	90.3	90.4	90.4	90.4	90.4	90.4
≥ 400	17.2	68.9	76.5	82.1	88.3	89.3	90.5	91.4	91.5	91.9	92.0	92.1	92.1	92.1	92.1	92.1
≥ 300	17.2	69.1	77.1	82.6	89.2	90.5	92.5	93.8	93.9	94.2	94.4	94.5	94.5	94.7	94.8	94.9
≥ 200	17.2	69.1	77.1	82.9	89.7	91.2	93.8	95.1	95.2	95.9	96.3	96.4	96.7	96.8	96.9	97.2
≥ 100	17.2	69.1	77.1	82.9	89.7	91.2	94.0	95.4	95.6	96.4	97.1	97.2	97.6	97.9	98.4	99.6
≥ 0	17.2	69.1	77.1	82.9	89.7	91.2	94.0	95.4	95.6	96.4	97.1	97.2	97.6	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724396 MCGUIRE AFB NJ

73-82

11/82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0322-2500

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.01
NO CEILING	9.4	33.7	38.0	41.7	43.7	45.1	46.1	46.3	46.6	46.7	46.9	47.0	47.7	47.8	47.8	47.9
≥ 20000	9.9	36.8	42.0	46.2	49.0	50.8	52.1	52.6	52.8	53.0	53.2	53.3	54.0	54.1	54.1	54.2
≥ 18000	9.9	36.8	42.0	46.2	49.0	50.8	52.1	52.6	52.8	53.0	53.2	53.3	54.0	54.1	54.1	54.2
≥ 16000	9.9	36.8	42.0	46.2	49.0	50.8	52.1	52.6	52.8	53.0	53.2	53.3	54.0	54.1	54.1	54.2
≥ 14000	9.9	36.9	42.1	46.3	49.1	50.9	52.2	52.7	52.9	53.1	53.3	53.4	54.1	54.2	54.2	54.3
≥ 12000	10.0	37.9	43.3	47.9	50.9	52.7	54.0	54.4	54.7	54.9	55.1	55.2	55.9	56.0	56.0	56.1
≥ 10000	10.9	40.7	46.7	51.4	54.9	56.8	58.3	59.0	59.2	59.4	59.7	59.8	60.4	60.6	60.6	60.7
≥ 9000	11.0	41.0	47.1	51.9	55.3	57.2	58.8	59.4	59.7	59.9	60.1	60.2	60.9	61.0	61.0	61.1
≥ 8000	11.1	42.4	48.9	53.8	57.4	59.4	61.0	61.7	61.9	62.2	62.4	62.6	63.2	63.3	63.3	63.4
≥ 7000	11.4	43.7	50.1	55.0	58.7	60.8	62.4	63.1	63.3	63.7	64.0	64.1	64.8	64.9	64.9	65.0
≥ 6000	11.9	44.7	51.2	56.4	60.1	62.2	63.9	64.6	64.8	65.1	65.4	65.6	66.2	66.3	66.3	66.4
≥ 5000	12.1	47.1	53.9	59.1	62.9	65.0	66.8	67.4	67.7	68.0	68.3	68.4	69.1	69.2	69.2	69.3
≥ 4500	12.3	49.1	56.3	61.7	65.4	67.6	69.3	70.0	70.2	70.6	70.9	71.0	71.7	71.8	71.8	71.9
≥ 4000	12.6	49.4	57.0	62.6	66.6	68.8	70.6	71.2	71.4	71.8	72.1	72.2	72.9	73.0	73.0	73.1
≥ 3500	12.6	50.1	57.7	63.2	67.7	69.9	71.9	72.7	73.0	73.4	73.8	73.9	74.6	74.7	74.7	74.8
≥ 3000	12.6	50.8	58.7	64.7	69.2	71.4	73.4	74.3	74.7	75.1	75.4	75.6	76.2	76.3	76.3	76.4
≥ 2500	12.6	51.3	59.2	65.2	70.0	72.3	74.4	75.3	75.7	76.1	76.4	76.6	77.2	77.3	77.3	77.4
≥ 2000	12.6	51.7	59.8	66.0	71.0	73.3	75.4	76.4	76.8	77.2	77.6	77.7	78.3	78.4	78.4	78.6
≥ 1800	12.6	51.7	59.8	66.0	71.0	73.3	75.4	76.4	76.8	77.2	77.6	77.7	78.3	78.4	78.4	78.6
≥ 1500	12.9	52.2	60.6	67.0	72.2	74.6	76.8	77.8	78.1	78.6	78.9	79.0	79.7	79.8	79.8	79.9
≥ 1200	12.9	52.7	61.0	67.6	72.9	75.2	77.6	78.6	78.9	79.3	79.7	79.8	80.4	80.6	80.6	80.7
≥ 1000	12.9	53.0	61.6	68.2	73.9	76.3	79.0	80.0	80.3	80.8	81.1	81.2	81.9	82.0	82.0	82.1
≥ 900	12.9	53.1	61.7	68.3	74.0	76.4	79.1	80.1	80.4	81.0	81.3	81.4	82.1	82.2	82.2	82.3
≥ 800	13.0	53.2	61.8	68.7	74.4	76.9	79.6	80.6	80.9	81.4	81.8	81.9	82.6	82.7	82.7	82.8
≥ 700	13.0	54.1	62.8	69.9	75.7	78.1	80.8	81.8	82.1	82.7	83.0	83.1	83.8	83.9	83.9	84.0
≥ 600	13.0	54.7	63.4	71.0	76.8	79.2	82.1	83.1	83.4	84.1	84.4	84.6	85.2	85.3	85.3	85.4
≥ 500	13.1	55.1	64.3	72.1	78.0	80.6	84.1	85.2	85.6	86.3	86.8	86.9	87.6	87.8	87.8	88.0
≥ 400	13.1	55.7	64.9	72.8	78.9	81.7	85.8	87.1	87.6	88.3	89.0	89.1	89.8	90.0	90.0	90.2
≥ 300	13.1	55.8	65.3	73.8	80.1	82.9	87.3	89.3	90.0	90.9	91.7	91.8	92.4	92.7	92.9	93.4
≥ 200	13.1	55.8	65.3	73.8	80.4	83.6	88.6	90.7	91.3	92.4	93.6	93.7	94.6	94.8	95.2	96.0
≥ 100	13.1	55.8	65.3	73.8	80.4	83.6	88.6	90.7	91.6	92.9	94.2	94.3	95.7	96.2	97.2	99.0
≥ 0	13.1	55.8	65.3	73.8	80.4	83.6	88.6	90.7	91.6	92.9	94.2	94.3	95.7	96.2	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796

MCGUIRE AFB NJ

73-82

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2602-2600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	9.1	36.0	40.2	42.2	44.4	45.6	46.6	46.9	46.9	47.0	47.1	47.1	47.2	47.3	47.4	47.4
≥ 20000	9.2	40.7	45.4	48.4	51.0	52.4	53.9	54.2	54.2	54.3	54.6	54.6	54.8	55.0	55.1	55.1
≥ 18000	8.8	40.8	45.6	48.6	51.1	52.6	54.1	54.4	54.4	54.6	54.8	54.8	55.0	55.2	55.3	55.3
≥ 16000	3.3	40.8	45.6	48.6	51.1	52.6	54.1	54.4	54.4	54.6	54.8	54.8	55.0	55.2	55.3	55.3
≥ 14000	3.9	41.0	45.8	48.8	51.3	52.8	54.3	54.7	54.7	54.8	55.0	55.0	55.2	55.4	55.6	55.6
≥ 12000	8.9	41.7	46.8	49.8	52.4	54.0	55.6	55.9	55.9	56.0	56.2	56.2	56.4	56.7	56.8	56.8
≥ 10000	9.7	44.2	50.1	53.4	56.7	58.2	59.8	60.1	60.1	60.2	60.4	60.4	60.7	60.9	61.0	61.0
≥ 9000	9.7	44.6	50.7	54.0	57.2	58.8	60.3	60.7	60.7	60.8	61.0	61.0	61.2	61.4	61.6	61.6
≥ 8000	10.2	46.6	52.7	56.2	59.7	61.3	62.9	63.2	63.2	63.3	63.6	63.6	63.8	64.0	64.1	64.1
≥ 7000	10.9	48.6	54.7	58.3	61.8	63.7	65.2	65.7	65.7	65.8	66.3	66.3	66.6	66.8	66.9	66.9
≥ 6000	11.0	49.4	55.6	59.2	62.7	64.6	66.1	66.6	66.6	66.7	67.2	67.2	67.4	67.7	67.8	67.8
≥ 5000	11.1	51.1	57.3	61.1	64.9	66.9	68.4	68.7	68.9	69.0	69.6	69.6	69.8	70.0	70.1	70.1
≥ 4500	11.6	52.7	59.7	63.0	66.8	68.8	70.3	70.8	70.8	70.9	71.4	71.4	71.7	71.9	72.0	72.0
≥ 4000	11.6	52.8	59.2	63.3	67.2	69.2	70.9	71.4	71.4	71.6	72.1	72.1	72.3	72.6	72.7	72.7
≥ 3500	11.6	53.6	60.1	64.4	68.4	70.6	72.2	72.9	72.9	73.0	73.6	73.6	73.8	74.0	74.1	74.1
≥ 3000	11.9	54.6	61.2	65.7	69.7	71.8	73.6	74.3	74.3	74.4	75.0	75.0	75.2	75.4	75.6	75.6
≥ 2500	12.0	55.0	61.8	66.3	70.6	72.8	74.7	75.4	75.4	75.6	76.1	76.1	76.3	76.6	76.7	76.7
≥ 2000	12.1	56.2	63.4	68.0	72.4	74.7	76.6	77.3	77.3	77.6	78.2	78.2	78.4	78.7	78.8	78.8
≥ 1800	12.1	56.2	63.4	68.0	72.4	74.8	76.7	77.4	77.4	77.7	78.3	78.3	78.6	78.8	78.9	78.9
≥ 1500	12.3	56.8	64.1	68.8	73.3	75.7	78.0	78.9	78.9	79.1	79.8	79.8	80.0	80.2	80.3	80.3
≥ 1200	12.4	57.3	64.7	69.3	74.0	76.4	78.8	79.7	79.7	79.9	80.6	80.6	80.8	81.0	81.1	81.1
≥ 1000	12.3	58.6	66.1	71.0	76.1	78.7	81.4	82.3	82.3	82.6	83.2	83.2	83.4	83.7	83.8	83.8
≥ 900	12.8	58.7	66.3	71.2	76.9	79.6	82.9	84.0	84.0	84.2	84.9	84.9	85.1	85.3	85.4	85.4
≥ 800	12.9	59.1	67.1	72.2	78.3	81.0	84.4	85.6	85.6	85.9	86.6	86.6	86.8	87.0	87.1	87.1
≥ 700	12.9	59.7	67.7	72.9	79.2	81.9	85.6	86.8	86.8	87.4	88.1	88.1	88.3	88.6	88.7	88.7
≥ 600	12.9	59.9	67.9	73.2	79.8	82.4	86.2	87.4	87.4	88.1	88.8	88.8	89.0	89.2	89.3	89.3
≥ 500	12.9	59.9	68.1	73.7	80.6	83.4	87.7	88.9	89.0	89.8	90.6	90.7	90.9	91.1	91.2	91.2
≥ 400	12.9	60.2	68.7	74.3	81.9	85.0	89.8	91.0	91.2	92.1	93.0	93.1	93.6	93.9	94.0	94.0
≥ 300	12.9	60.3	68.8	74.4	82.2	85.4	90.4	92.1	92.6	93.4	94.8	94.9	95.7	96.0	96.3	96.4
≥ 200	12.9	60.3	68.8	74.6	82.4	85.7	91.0	93.0	93.4	94.6	96.3	96.6	97.6	98.0	98.4	98.9
≥ 100	12.9	60.3	68.8	74.6	82.4	85.7	91.0	93.0	93.4	94.6	96.3	96.7	97.7	98.2	98.9	99.7
≥ 0	12.9	60.3	68.8	74.6	82.4	85.7	91.0	93.0	93.4	94.6	96.3	96.7	97.7	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-4-96

MCGUIRE AFB NJ

73-02

YEAR

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	13.2	45.2	46.6	47.9	48.6	46.0	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 2000	15.4	51.6	53.9	55.2	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 1800	15.4	51.6	53.9	55.2	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 1600	15.4	51.7	54.1	55.3	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 1400	15.4	51.8	54.1	55.4	56.1	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 1200	15.7	52.2	54.9	56.2	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 1000	15.7	55.3	58.6	60.1	61.1	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 900	16.3	55.7	58.9	60.4	61.4	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 800	17.7	58.4	62.0	63.6	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 700	18.1	60.3	64.0	65.8	66.9	67.3	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
≥ 600	18.1	60.9	64.6	66.3	67.4	67.9	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 500	13.6	62.9	67.1	69.0	70.1	70.6	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 450	13.6	64.3	69.1	71.1	72.2	72.8	73.1	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 400	13.9	65.8	70.7	72.9	74.4	75.1	75.4	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 350	19.2	67.3	72.2	74.8	76.7	77.4	77.8	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 300	20.1	69.6	74.6	77.4	79.7	80.4	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 250	20.6	71.3	76.8	79.9	82.3	83.1	83.6	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 200	21.1	73.4	78.9	82.2	84.8	85.7	86.1	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 180	21.2	73.9	79.3	82.7	85.2	86.1	86.6	86.7	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 160	21.2	75.0	80.4	83.8	86.4	87.3	87.8	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 140	21.2	75.7	81.7	85.1	87.9	88.8	89.3	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 120	21.4	76.7	83.1	86.7	89.7	90.7	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100	21.4	76.9	83.6	87.4	90.6	91.8	93.0	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 80	21.4	77.0	83.8	87.7	91.0	92.3	93.7	94.1	94.1	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 70	21.6	77.1	84.2	88.0	91.6	92.9	94.3	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 60	21.6	77.4	84.3	88.3	92.1	93.7	95.3	95.9	95.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 50	21.6	77.9	85.0	89.1	93.4	95.2	97.1	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 40	21.6	78.0	85.1	89.3	94.0	95.9	97.8	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 30	21.6	78.0	85.1	89.3	94.1	96.0	97.9	99.3	99.3	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 20	21.6	78.0	85.1	89.3	94.1	96.1	98.0	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10	21.6	78.0	85.1	89.3	94.1	96.1	98.0	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	21.6	78.0	85.1	89.3	94.1	96.1	98.0	99.4	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72495

MCGUIRE AFB NJ

73-82

1973

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	14.9	41.4	42.9	44.0	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	17.1	53.3	52.8	54.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000	17.2	52.6	53.7	54.3	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 6000	17.2	53.7	53.1	54.4	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 4000	17.2	50.9	53.3	54.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	18.1	52.9	55.6	57.0	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	19.1	56.2	58.9	60.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	19.2	57.0	59.7	61.4	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 8000	20.4	60.4	63.3	65.3	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	20.7	61.7	64.6	66.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 6000	20.8	61.8	64.7	66.7	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	21.3	64.2	67.4	69.4	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	22.0	66.2	69.6	72.0	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	22.1	69.1	73.7	75.9	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3500	23.2	73.1	77.2	80.6	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	24.9	76.1	80.6	84.0	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	25.6	78.4	83.7	86.4	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	25.9	79.9	84.6	88.0	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	25.7	80.0	84.7	88.1	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	26.1	80.8	85.8	89.3	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1200	26.1	81.4	86.4	90.2	93.6	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	26.3	82.1	87.4	91.3	95.0	95.6	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 900	26.3	82.6	88.0	91.9	95.7	96.6	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	26.3	82.7	88.1	92.0	95.8	96.8	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 700	26.3	82.8	88.3	92.3	96.2	97.4	97.8	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	26.3	83.0	88.6	92.6	96.6	97.8	98.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	26.3	83.1	88.8	92.8	97.0	98.3	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	26.3	83.1	88.9	92.9	97.1	98.4	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	26.3	83.1	88.9	92.9	97.1	98.4	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	26.3	83.1	88.9	92.9	97.1	98.4	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	26.3	83.1	88.9	92.9	97.1	98.4	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 50	26.3	83.1	88.9	92.9	97.1	98.4	99.3	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

144
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	15.6	41.1	42.1	43.4	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 20000	19.7	50.8	53.7	55.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	19.1	50.9	53.8	55.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	13.1	50.9	53.8	55.4	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	19.1	51.4	54.3	56.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 12000	19.6	53.3	56.2	57.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	21.0	56.9	60.6	62.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 9000	21.0	57.2	60.9	62.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 8000	22.2	60.3	64.2	66.2	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	23.9	62.6	66.7	68.7	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000	24.0	62.7	67.1	69.1	71.6	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 5000	24.5	64.4	68.9	70.9	73.3	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	24.7	66.2	71.8	72.8	75.3	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 4000	25.2	70.3	75.3	77.9	80.9	81.1	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 3500	26.4	73.7	78.4	81.1	84.6	84.8	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 3000	27.1	75.2	81.7	85.0	88.8	89.1	89.4	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2500	27.5	76.3	82.9	86.4	90.3	90.7	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 2000	27.7	76.9	83.4	87.2	91.4	91.8	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1800	27.7	77.0	83.7	87.4	91.7	92.0	92.4	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1600	28.0	77.7	84.6	88.4	92.8	93.1	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1400	28.4	78.4	85.3	89.3	93.7	94.0	94.8	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	28.6	79.1	86.8	90.9	95.7	96.2	97.0	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	28.6	79.8	86.8	90.9	95.7	96.3	97.1	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	28.6	79.9	87.1	91.2	96.0	96.7	97.4	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	28.6	80.0	87.3	91.4	96.2	97.2	98.2	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	28.6	80.0	87.3	91.4	96.2	97.3	98.6	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	28.6	80.0	87.4	91.7	96.8	98.0	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	28.6	80.0	87.4	91.7	96.8	98.0	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	28.6	80.0	87.4	91.7	96.8	98.0	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	28.6	80.0	87.4	91.7	96.8	98.0	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	28.6	80.0	87.4	91.7	96.8	98.0	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	28.6	80.0	87.4	91.7	96.8	98.0	99.2	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	16.0	44.7	47.0	47.8	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	19.4	53.2	57.9	59.2	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	19.6	53.3	58.0	59.3	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 16000	19.6	53.3	58.0	59.3	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 14000	19.7	54.1	58.8	60.1	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 12000	19.8	54.8	59.4	60.8	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 10000	22.3	59.9	64.8	66.1	68.7	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 9000	22.3	60.3	65.2	66.6	69.1	69.2	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 8000	22.9	62.1	67.4	68.9	72.1	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 7000	23.8	64.1	69.4	70.9	74.2	74.8	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 6000	24.3	64.9	70.3	71.9	75.2	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	24.3	67.2	72.8	74.3	77.7	78.2	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	24.7	68.7	74.2	75.9	79.2	79.8	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4000	24.8	70.1	76.2	78.2	81.6	82.1	82.4	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 3500	24.9	71.4	78.1	80.3	83.9	84.6	85.0	85.0	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	25.7	73.2	80.6	83.2	87.2	88.2	88.7	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	25.9	73.6	81.0	84.0	88.0	89.0	89.4	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 2000	26.2	73.9	81.6	84.6	88.8	89.6	90.2	90.3	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1800	26.4	74.2	81.9	84.9	89.2	90.2	90.7	90.8	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1500	26.6	74.6	82.2	85.2	89.7	90.7	91.1	91.3	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1200	26.7	75.4	83.2	86.2	90.9	92.1	92.8	93.0	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	26.7	76.0	84.0	87.1	91.8	93.1	94.0	94.2	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	26.7	76.0	84.0	87.1	91.8	93.1	94.0	94.2	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800	26.7	76.2	84.3	87.4	92.2	93.6	94.4	94.7	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	26.7	76.6	84.9	88.3	93.1	94.6	95.6	95.8	96.0	96.4	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	26.7	76.7	85.0	88.6	93.7	95.2	96.2	96.4	96.7	97.1	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	26.7	76.7	85.3	88.9	94.3	96.2	97.4	97.9	98.1	98.6	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	26.7	76.7	85.3	88.9	94.6	96.4	98.2	98.7	98.9	99.3	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	26.7	76.7	85.3	88.9	94.6	96.4	98.4	98.9	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	26.7	76.7	85.3	88.9	94.6	96.4	98.4	98.9	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	26.7	76.7	85.3	88.9	94.6	96.4	98.4	98.9	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	26.7	76.7	85.3	88.9	94.6	96.4	98.4	98.9	99.1	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 999

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

704396 HCGUIRE AFB NJ

73-82

JUN 1982

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	15.9	49.6	51.9	53.1	54.6	55.2	55.4	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.8	55.8
≥20000	16.9	53.3	56.8	58.7	60.4	61.1	61.3	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.7	61.7
≥18000	17.1	53.6	57.0	58.9	60.7	61.3	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.9	61.9
≥16000	17.0	53.6	57.0	58.9	60.7	61.3	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.9	61.9
≥14000	17.2	54.2	57.7	59.6	61.3	62.0	62.2	62.2	62.2	62.4	62.4	62.4	62.4	62.4	62.6	62.6
≥12000	17.2	54.8	58.3	60.3	62.1	62.8	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.3	63.3
≥10000	18.9	59.9	63.8	65.8	67.7	68.3	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.9	68.9
≥9000	18.9	60.1	64.0	66.0	67.9	68.6	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.1	69.1
≥8000	19.4	61.7	66.0	68.6	71.0	71.6	72.3	72.3	72.3	72.6	72.6	72.6	72.6	72.6	72.7	72.7
≥7000	19.7	62.3	66.8	69.3	71.8	72.6	73.1	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.4	73.4
≥6000	19.9	62.6	67.0	69.6	72.1	72.9	73.4	73.4	73.4	73.7	73.7	73.7	73.7	73.7	73.8	73.8
≥5000	19.9	64.4	69.1	71.8	74.3	75.1	75.7	75.7	75.7	75.9	75.9	75.9	75.9	75.9	76.0	76.0
≥4500	20.4	66.2	71.2	73.9	76.6	77.3	77.9	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.2	78.2
≥4000	21.7	68.2	73.3	76.0	79.1	79.9	80.6	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.1	81.1
≥3500	21.2	69.3	74.7	77.7	80.9	81.8	82.4	82.7	82.7	82.9	82.9	82.9	82.9	82.9	83.0	83.0
≥3000	21.2	69.8	75.9	79.2	83.2	84.2	85.0	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.6	85.6
≥2500	21.2	70.4	77.0	80.3	84.7	85.7	86.4	86.7	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.0
≥2000	21.3	70.9	77.7	81.1	85.6	86.6	87.3	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.9	87.9
≥1800	21.3	70.9	77.7	81.1	85.6	86.6	87.3	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.9	87.9
≥1500	21.4	71.3	78.3	81.8	86.3	87.3	88.1	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.7	88.7
≥1200	21.6	71.9	79.1	82.6	87.2	88.2	89.0	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.6	89.6
≥1000	21.6	72.4	79.7	83.3	88.2	89.2	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.6	90.6
≥900	21.6	73.0	80.2	83.9	89.0	90.1	90.9	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.4	91.4
≥800	21.6	73.3	80.7	84.3	89.4	90.6	91.3	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.9	91.9
≥700	21.8	74.0	81.4	85.1	90.4	91.6	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.9	92.9
≥600	21.9	74.1	81.7	85.4	91.2	92.3	93.1	93.3	93.3	93.6	93.6	93.6	93.6	93.6	93.7	93.7
≥500	21.9	74.7	82.2	86.0	92.4	94.2	95.0	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.6	95.6
≥400	22.1	75.0	82.8	86.9	93.8	95.6	96.4	96.7	96.7	96.9	96.9	96.9	96.9	96.9	97.0	97.0
≥300	22.0	75.0	82.9	87.0	94.0	95.9	96.9	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥200	22.0	75.0	82.9	87.0	94.0	95.9	97.9	98.1	98.1	98.6	98.8	98.8	98.8	98.8	99.0	99.1
≥100	22.0	75.0	82.9	87.0	94.0	95.9	98.0	98.3	98.3	98.8	99.0	99.0	99.0	99.1	99.3	99.3
≥0	22.0	75.0	82.9	87.0	94.0	95.9	98.0	98.3	98.3	98.8	99.0	99.0	99.0	99.1	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096

MCGUIRE AFB NJ

73-82

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	13.2	41.8	44.4	46.0	47.7	48.2	48.5	48.6	48.6	48.7	48.8	48.8	48.9	48.9	48.9	49.0
≥ 20000	14.3	48.0	51.7	53.8	55.8	56.4	56.8	57.0	57.0	57.0	57.1	57.1	57.3	57.3	57.3	57.3
IV 18000	14.9	48.1	51.8	53.9	55.9	56.5	56.9	57.1	57.1	57.2	57.2	57.3	57.4	57.4	57.5	57.5
IV 16000	14.9	48.1	51.8	54.0	55.9	56.5	57.0	57.1	57.1	57.2	57.3	57.3	57.4	57.5	57.5	57.5
IV 14000	15.0	48.5	52.2	54.3	56.3	56.9	57.4	57.5	57.5	57.6	57.7	57.7	57.8	57.9	57.9	57.9
IV 12000	15.2	49.5	53.3	55.6	57.6	58.3	58.7	58.9	58.9	59.0	59.0	59.0	59.2	59.2	59.2	59.2
IV 10000	16.5	53.2	57.5	59.9	62.2	62.8	63.4	63.5	63.6	63.7	63.7	63.8	63.9	63.9	63.9	64.0
IV 9000	16.6	53.6	58.7	60.4	62.7	63.3	63.9	64.1	64.1	64.2	64.2	64.3	64.4	64.4	64.5	64.5
IV 8000	17.3	55.9	60.5	63.3	65.9	66.6	67.2	67.4	67.5	67.6	67.6	67.7	67.8	67.8	67.8	67.9
IV 7000	17.9	57.4	62.1	64.9	67.5	68.4	69.0	69.2	69.2	69.3	69.5	69.5	69.6	69.6	69.7	69.7
IV 6000	18.1	58.0	62.8	65.6	68.2	69.1	69.7	69.9	69.9	70.1	70.2	70.2	70.3	70.4	70.4	70.4
IV 5000	18.4	60.0	65.0	67.9	70.6	71.5	72.2	72.4	72.4	72.5	72.6	72.7	72.8	72.8	72.9	72.9
IV 4500	18.7	61.8	67.0	70.0	72.8	73.7	74.3	74.5	74.5	74.7	74.8	74.8	74.9	75.0	75.0	75.0
IV 4000	18.9	63.4	68.9	72.2	75.3	76.2	76.9	77.2	77.2	77.4	77.5	77.5	77.6	77.7	77.7	77.7
IV 3500	19.3	65.0	70.8	74.3	77.6	78.6	79.4	79.7	79.7	79.9	80.1	80.1	80.2	80.2	80.3	80.3
IV 3000	19.9	66.5	72.8	76.6	80.4	81.4	82.2	82.6	82.7	82.8	83.0	83.0	83.1	83.1	83.2	83.2
IV 2500	20.2	67.6	74.0	78.0	81.9	83.0	83.8	84.2	84.2	84.4	84.5	84.6	84.7	84.7	84.7	84.8
IV 2000	20.4	68.4	75.0	79.1	83.1	84.2	85.1	85.5	85.5	85.7	85.9	85.9	86.0	86.1	86.1	86.1
IV 1800	20.4	68.5	75.2	79.2	83.3	84.4	85.3	85.7	85.7	85.9	86.1	86.1	86.2	86.3	86.3	86.3
IV 1500	20.7	69.2	76.0	80.2	84.4	85.5	86.5	86.9	86.9	87.2	87.3	87.3	87.5	87.5	87.5	87.5
IV 1200	20.9	69.8	76.7	81.0	85.3	86.4	87.5	87.9	88.0	88.2	88.4	88.4	88.5	88.6	88.6	88.6
IV 1000	20.9	70.6	77.7	82.1	86.7	87.9	89.2	89.6	89.7	89.9	90.1	90.2	90.3	90.3	90.3	90.4
IV 900	20.9	70.8	78.0	82.4	87.1	88.5	89.8	90.3	90.4	90.6	90.8	90.8	91.0	91.0	91.0	91.0
IV 800	20.9	71.0	78.3	82.8	87.6	89.1	90.4	90.9	91.0	91.3	91.5	91.6	91.7	91.7	91.7	91.7
IV 700	20.9	71.4	78.9	83.5	88.4	90.0	91.4	91.9	92.0	92.3	92.6	92.6	92.7	92.7	92.8	92.8
IV 600	21.0	71.7	79.1	83.8	89.0	90.6	92.2	92.7	92.8	93.2	93.4	93.4	93.5	93.6	93.6	93.6
IV 500	21.0	72.0	79.6	84.4	90.0	91.8	93.7	94.3	94.5	94.8	95.1	95.1	95.2	95.3	95.3	95.3
IV 400	21.0	72.2	80.0	84.9	90.7	92.5	94.6	95.4	95.6	96.0	96.3	96.3	96.5	96.5	96.6	96.6
IV 300	21.0	72.2	80.1	85.1	91.0	93.0	95.3	96.2	96.5	96.9	97.3	97.3	97.5	97.6	97.7	97.8
IV 200	21.0	72.2	80.1	85.1	91.1	93.2	95.8	96.8	97.0	97.6	98.1	98.2	98.4	98.5	98.7	98.9
IV 100	21.0	72.2	80.1	85.1	91.1	93.2	95.8	96.9	97.1	97.7	98.3	98.4	98.7	99.0	99.3	99.8
IV 0	21.0	72.2	80.1	85.1	91.1	93.2	95.8	96.9	97.1	97.7	98.3	98.4	98.7	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724196 MCGUIRE AFB NJ

73-82

YEAR

1981

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0070-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	14.4	46.0	51.2	54.6	56.5	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	58.0
≥ 20000	14.7	50.9	57.3	61.2	63.7	64.7	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.8
≥ 18000	15.1	51.0	57.4	61.3	63.8	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.9
≥ 16000	15.1	51.0	57.4	61.3	63.8	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.9
≥ 14000	15.1	51.0	57.4	61.3	63.8	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.9
≥ 12000	15.2	51.2	57.7	61.6	64.1	65.3	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.6
≥ 10000	15.3	54.2	61.3	65.9	69.2	70.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.8
≥ 9000	15.9	54.6	61.8	66.5	69.8	71.1	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.4
≥ 8000	17.1	58.0	65.7	70.8	74.2	76.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.4
≥ 7000	17.2	58.5	66.5	71.7	75.3	77.3	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6	78.7
≥ 6000	17.3	58.8	66.9	72.2	75.8	77.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.2
≥ 5000	17.5	59.7	67.7	73.2	76.9	78.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.3
≥ 4500	18.2	61.1	69.4	74.8	78.5	80.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.9
≥ 4000	18.2	61.9	70.3	75.8	79.5	81.5	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.2
≥ 3500	18.3	62.7	71.4	76.9	80.5	82.7	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.7
≥ 3000	18.4	63.5	72.6	78.1	81.8	84.0	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9	86.0
≥ 2500	19.4	63.7	72.9	78.4	82.2	84.3	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.6
≥ 2000	18.4	63.9	73.2	78.9	82.9	85.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.4
≥ 1800	18.4	63.9	73.3	79.1	83.2	85.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6	87.7
≥ 1500	18.5	64.3	74.0	79.8	84.1	86.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.6
≥ 1200	18.5	64.7	74.6	80.6	84.9	87.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.5
≥ 1000	18.9	65.5	75.8	81.8	86.2	88.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.8	90.9
≥ 900	18.8	65.6	75.9	81.9	86.3	88.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	91.0
≥ 800	18.8	65.8	76.1	82.6	87.3	89.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.9	92.0
≥ 700	18.9	66.2	76.7	83.1	87.8	90.1	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6	92.7
≥ 600	18.9	66.2	76.9	83.3	88.2	90.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.0
≥ 500	18.9	66.5	77.2	83.9	88.9	91.2	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.3
≥ 400	18.9	66.5	77.2	83.9	89.0	91.8	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.2
≥ 300	18.9	66.8	77.6	84.5	89.7	92.5	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.1	96.2
≥ 200	18.9	66.9	77.7	84.9	90.3	93.1	95.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.7	98.2
≥ 100	18.9	66.9	77.7	84.9	90.3	93.1	95.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.7	98.2
≥ 0	18.9	66.9	77.7	84.9	90.3	93.1	95.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.7	98.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MC GUIRE AFB NJ
STATION NAME

73-82
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500
SOLAR TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING	12.5	36.7	41.1	45.3	49.7	50.3	51.7	52.5	52.6	53.0	53.1	53.1	53.4	53.4	53.7	53.9
≥ 20000	12.7	41.3	46.7	51.4	55.6	57.7	59.6	60.8	60.9	61.3	61.4	61.4	61.7	61.7	61.9	62.2
≥ 18000	12.7	41.4	46.9	51.5	55.7	57.8	59.7	60.9	61.0	61.4	61.5	61.5	61.8	61.8	62.0	62.3
≥ 16000	12.7	41.4	46.9	51.5	55.7	57.8	59.7	60.9	61.0	61.4	61.5	61.5	61.8	61.8	62.0	62.3
≥ 14000	12.7	41.4	46.9	51.5	55.7	57.8	59.7	60.9	61.0	61.4	61.5	61.5	61.8	61.8	62.0	62.3
≥ 12000	12.7	41.7	47.1	51.8	56.0	58.2	60.2	61.4	61.5	61.9	62.0	62.0	62.4	62.4	62.6	62.8
≥ 10000	12.7	44.3	50.3	55.2	60.1	62.3	64.4	65.7	65.8	66.5	66.6	66.6	66.9	66.9	67.1	67.3
≥ 9000	13.1	44.8	50.9	55.7	60.6	62.8	64.9	66.2	66.3	67.0	67.1	67.1	67.4	67.4	67.6	67.8
≥ 8000	13.3	46.6	52.8	57.6	63.0	65.7	68.3	69.7	69.8	70.4	70.5	70.5	71.0	71.0	71.2	71.4
≥ 7000	13.3	46.6	52.9	58.1	63.8	66.7	69.2	70.9	71.0	71.6	71.7	71.7	72.2	72.2	72.4	72.6
≥ 6000	13.7	47.6	54.0	59.4	65.3	68.3	70.9	72.5	72.6	73.2	73.3	73.3	73.8	73.8	74.0	74.2
≥ 5000	13.9	48.5	54.8	60.3	66.3	69.4	72.0	73.7	73.8	74.4	74.5	74.5	74.9	74.9	75.2	75.4
≥ 4500	14.2	49.2	56.0	61.5	67.6	70.9	73.7	75.3	75.4	76.0	76.1	76.1	76.6	76.6	76.8	77.0
≥ 4000	14.2	52.5	57.3	62.8	68.9	72.2	75.2	76.8	76.9	77.5	77.6	77.6	78.1	78.1	78.3	78.5
≥ 3500	14.5	51.8	58.7	64.3	70.6	74.0	77.1	78.8	79.0	79.7	79.9	79.9	80.3	80.3	80.5	80.8
≥ 3000	14.5	52.2	59.4	64.9	71.3	74.6	77.8	79.6	79.8	80.4	80.6	80.6	81.1	81.1	81.3	81.5
≥ 2500	14.5	52.4	59.8	65.5	71.8	75.2	78.6	80.4	80.6	81.3	81.5	81.5	81.9	81.9	82.2	82.4
≥ 2000	14.5	52.5	59.9	65.9	72.5	75.9	79.4	81.3	81.5	82.2	82.4	82.4	82.8	82.8	83.0	83.2
≥ 1800	14.5	52.5	59.9	65.9	72.5	75.9	79.4	81.3	81.5	82.2	82.4	82.4	82.8	82.8	83.0	83.2
≥ 1500	14.5	52.5	60.0	66.1	72.9	76.3	79.8	81.7	81.9	82.6	82.8	82.8	83.2	83.2	83.4	83.7
≥ 1200	14.5	52.9	60.6	66.8	73.9	77.3	80.8	82.7	82.9	83.5	83.8	83.8	84.2	84.2	84.4	84.6
≥ 1000	14.6	53.3	61.3	67.5	74.8	78.3	81.8	83.8	84.0	84.6	84.8	84.8	85.3	85.3	85.5	85.7
≥ 900	14.6	53.4	61.6	68.0	75.4	78.8	82.5	84.4	84.6	85.3	85.5	85.5	85.9	85.9	86.1	86.3
≥ 800	14.6	53.5	61.8	68.3	75.8	79.2	82.9	84.8	85.1	85.7	86.0	86.0	86.5	86.5	86.7	86.9
≥ 700	14.7	53.9	62.3	69.0	76.6	80.0	83.7	85.6	85.8	86.5	86.8	86.8	87.2	87.2	87.4	87.6
≥ 600	14.7	54.0	62.8	69.7	77.4	81.0	84.7	86.9	87.2	88.0	88.3	88.3	88.7	88.7	88.9	89.1
≥ 500	14.7	54.1	63.1	70.0	78.4	82.2	86.3	88.7	89.1	90.1	90.5	90.5	91.0	91.0	91.3	91.6
≥ 400	14.7	54.3	63.5	70.6	79.0	82.9	87.4	90.2	90.8	91.7	92.3	92.3	92.7	92.7	93.0	93.3
≥ 300	14.7	54.3	63.8	71.2	79.6	83.4	88.1	90.9	91.5	92.5	93.0	93.0	93.4	93.4	93.9	94.3
≥ 200	14.7	54.3	63.8	71.3	79.8	83.7	88.3	91.4	92.0	93.3	94.0	94.0	94.7	94.8	95.5	96.6
≥ 100	14.7	54.3	63.8	71.3	79.8	83.7	88.3	91.4	92.2	93.4	94.1	94.1	95.1	95.2	96.6	98.7
≥ 0	14.7	54.3	63.8	71.3	79.8	83.7	88.3	91.4	92.2	93.4	94.2	94.2	95.2	95.3	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774296 MCGUIRE AFB NJ

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6600-0600

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .02	≥ .01
NO CEILING	10.3	34.9	39.9	43.5	47.4	49.6	51.2	52.4	52.5	52.9	53.2	53.2	53.4	53.4	53.5	53.8	
≥ 20000	11.7	33.1	43.8	47.8	52.4	54.9	57.0	58.4	58.7	59.6	59.9	59.9	60.1	60.2	60.4	60.7	
≥ 18000	11.1	38.3	44.7	48.1	52.6	55.2	57.2	58.6	58.9	59.8	60.1	60.1	60.3	60.4	60.6	61.1	
≥ 16000	11.1	33.3	44.0	48.1	52.6	55.2	57.2	58.6	58.9	59.8	60.1	60.1	60.3	60.4	60.6	61.1	
≥ 14000	11.2	38.7	44.4	48.5	53.1	55.7	57.7	59.1	59.5	60.3	60.6	60.6	60.9	61.0	61.2	61.6	
≥ 12000	11.5	40.4	46.6	50.8	55.5	58.1	60.1	61.5	61.8	62.7	63.0	63.0	63.2	63.3	63.5	64.2	
≥ 10000	11.6	42.8	49.4	54.3	59.4	61.9	64.3	66.0	66.5	67.5	68.0	68.0	68.4	68.5	68.7	69.1	
≥ 9000	11.7	43.0	49.6	54.5	59.6	62.2	64.5	66.2	66.7	67.7	68.2	68.2	68.6	68.7	68.9	69.4	
≥ 8000	12.3	46.3	53.1	58.4	64.2	67.0	70.0	72.0	72.5	73.5	74.0	74.1	74.6	74.7	75.1	75.5	
≥ 7000	12.5	47.1	54.0	59.4	65.3	68.1	71.1	73.1	73.5	74.6	75.2	75.3	75.8	75.9	76.2	76.7	
≥ 6000	13.0	47.7	54.7	60.2	66.1	68.9	71.9	74.2	74.6	75.7	76.2	76.3	76.9	77.0	77.3	77.7	
≥ 5000	13.2	48.7	56.1	61.6	67.5	70.3	73.3	75.6	76.1	77.2	77.7	77.8	78.4	78.5	78.8	79.2	
≥ 4500	13.2	48.9	56.5	61.9	67.8	71.0	74.1	76.3	76.9	78.0	78.5	78.6	79.1	79.2	79.6	80.0	
≥ 4000	13.3	50.1	57.7	63.2	69.4	72.6	75.9	78.2	78.9	80.0	80.5	80.6	81.2	81.3	81.6	82.0	
≥ 3500	13.5	50.9	58.5	64.0	70.3	73.7	77.0	79.2	80.0	81.2	81.7	81.8	82.4	82.5	82.8	83.3	
≥ 3000	13.5	51.2	59.0	64.5	71.0	74.4	78.1	80.3	81.1	82.3	82.8	82.9	83.4	83.5	83.9	84.4	
≥ 2500	13.5	51.2	59.0	64.8	71.3	74.7	78.4	80.6	81.5	82.7	83.2	83.3	84.0	84.0	84.1	84.4	
≥ 2000	13.5	51.5	59.5	65.4	71.8	75.4	79.1	81.4	82.4	83.5	84.1	84.2	84.8	84.9	85.3	85.8	
≥ 1800	13.5	51.6	59.6	65.5	71.9	75.5	79.2	81.5	82.5	83.7	84.2	84.3	84.9	85.1	85.4	85.9	
≥ 1500	13.9	52.2	60.1	66.5	73.0	76.6	80.5	82.8	83.8	84.9	85.5	85.6	86.2	86.3	86.7	87.2	
≥ 1200	13.9	52.7	60.8	67.1	73.7	77.3	81.3	83.5	84.5	85.7	86.2	86.3	87.0	87.1	87.4	88.0	
≥ 1000	14.0	53.3	61.4	67.8	74.7	78.4	82.5	84.7	85.7	86.9	87.4	87.5	88.2	88.3	88.6	89.2	
≥ 900	14.0	53.8	61.9	68.4	75.3	78.9	83.1	85.5	86.5	87.6	88.2	88.3	88.9	89.0	89.4	90.0	
≥ 800	14.0	54.3	62.6	69.1	76.2	79.9	84.3	86.7	87.6	88.9	89.5	89.6	90.2	90.3	90.6	91.3	
≥ 700	14.0	54.4	62.7	69.5	76.8	80.4	84.8	87.4	88.4	89.7	90.2	90.3	91.0	91.1	91.4	92.0	
≥ 600	14.1	55.2	63.5	70.6	78.0	81.7	86.2	88.8	89.9	91.2	91.7	91.8	92.5	92.6	92.9	93.5	
≥ 500	14.1	55.2	63.8	71.0	78.6	83.1	88.0	90.6	91.7	93.2	93.9	94.0	94.7	94.8	95.2	95.8	
≥ 400	14.1	55.3	64.0	71.2	79.0	83.7	88.8	91.6	92.7	94.2	94.9	95.1	95.8	95.9	96.2	96.9	
≥ 300	14.1	55.4	64.1	71.3	79.1	83.6	88.9	91.9	93.2	94.7	95.5	95.6	96.6	96.8	97.3	98.0	
≥ 200	14.1	55.4	64.2	71.4	79.2	83.9	89.0	92.0	93.4	95.1	96.3	96.5	97.5	97.7	98.4	99.1	
≥ 100	14.1	55.4	64.2	71.4	79.2	83.9	89.0	92.0	93.4	95.1	96.3	96.6	97.6	98.0	98.7	99.7	
≥ 0	14.1	55.4	64.2	71.4	79.2	83.9	89.0	92.0	93.4	95.1	96.3	96.6	97.6	98.0	98.7	99.7	

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	14.3	44.9	49.1	53.0	55.4	55.5	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	15.7	49.8	54.5	59.2	61.9	62.0	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 18000	15.7	49.8	54.5	59.2	61.9	62.0	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 16000	15.7	49.8	54.5	59.2	61.9	62.0	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 14000	15.7	49.9	54.6	59.4	62.2	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	16.2	51.1	56.1	60.8	63.5	63.7	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000	17.2	54.9	60.4	65.4	68.4	68.5	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 9000	17.3	55.2	60.6	65.6	68.6	68.7	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 8000	18.2	58.7	64.7	69.9	73.1	73.2	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 7000	19.3	56.9	65.3	70.4	73.7	73.8	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000	13.4	59.5	65.8	71.0	74.2	74.5	75.4	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 5000	19.4	60.3	66.7	72.3	75.6	75.9	76.8	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	18.4	60.8	67.4	73.0	76.3	76.8	77.8	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 4000	18.5	61.4	68.2	73.9	77.3	77.8	79.0	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 3500	18.8	63.0	69.9	75.7	79.2	79.8	81.0	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3000	19.9	64.5	71.9	78.1	82.0	82.8	84.0	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 2500	19.5	65.9	73.7	80.0	84.4	85.2	86.3	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2000	19.8	67.2	75.5	82.3	87.2	88.1	89.2	89.9	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	19.9	67.5	75.8	82.6	87.6	88.5	89.7	90.3	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1600	20.5	69.0	77.4	84.5	90.0	90.9	92.0	92.7	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1400	20.5	69.6	78.1	85.3	91.3	92.2	93.3	94.0	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	20.8	70.4	79.1	86.6	92.6	94.0	95.4	96.1	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	20.8	70.5	79.6	87.1	93.4	94.8	96.2	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 900	20.8	70.6	79.7	87.2	93.7	95.1	96.5	97.2	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8
≥ 800	20.8	70.6	79.7	87.3	94.0	95.4	96.9	97.7	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	20.8	70.8	79.8	87.4	94.3	95.8	97.4	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	20.9	70.8	79.8	87.4	94.3	95.8	97.4	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	20.9	70.8	79.8	87.4	94.3	95.8	97.4	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	20.9	70.8	79.8	87.4	94.3	95.8	97.4	98.3	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	20.8	70.8	79.8	87.5	94.4	96.2	98.1	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	20.8	70.8	79.8	87.5	94.4	96.2	98.1	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	20.8	70.8	79.8	87.5	94.4	96.2	98.1	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥ 50	20.8	70.8	79.8	87.5	94.4	96.2	98.1	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7495 MCGUIRE AFB TX

73-82

1001

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

		VISIBILITY STATUTE MILES															
		20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11
1000	16.3	45.7	48.4	51.9	52.7	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
900	19.1	51.6	55.2	59.2	60.4	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
800	19.1	51.6	55.2	59.2	60.4	60.7	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
700	19.2	51.7	55.3	59.3	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
600	19.2	51.7	55.3	59.3	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
500	19.4	52.5	56.6	60.9	62.6	63.4	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
400	20.3	55.2	59.5	64.4	65.1	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
300	20.2	55.5	59.8	64.7	66.5	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
200	21.7	59.7	64.8	69.9	72.0	72.3	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
100	22.1	60.4	65.6	70.8	73.0	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
000	22.1	61.1	66.3	71.6	73.8	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
1000	22.1	61.5	66.6	71.9	74.3	74.6	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
900	22.2	61.9	67.1	72.4	74.9	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
800	22.3	63.2	68.7	75.1	77.7	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
700	23.1	69.5	74.6	81.9	85.0	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
600	23.6	71.3	78.7	86.8	90.7	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
500	23.7	72.8	80.6	89.0	93.1	93.4	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
400	24.2	74.2	82.7	91.1	95.3	95.6	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
300	24.2	74.3	82.8	91.3	95.5	95.8	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
200	24.2	74.4	83.3	91.9	96.2	96.6	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
100	24.2	74.6	83.6	92.2	96.8	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
000	24.3	74.9	84.0	92.6	97.4	97.8	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
1000	24.3	75.0	84.1	92.7	97.6	98.1	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
900	24.3	75.0	84.1	92.8	97.7	98.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
800	24.3	75.0	84.1	92.8	98.0	98.5	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
700	24.3	75.0	84.1	92.8	98.1	98.7	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
600	24.3	75.0	84.1	92.8	98.1	98.8	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
500	24.3	75.0	84.1	92.8	98.1	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
400	24.3	75.0	84.1	92.8	98.1	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
300	24.3	75.0	84.1	92.8	98.1	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
200	24.3	75.0	84.1	92.8	98.1	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
100	24.3	75.0	84.1	92.8	98.1	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
000	24.3	75.0	84.1	92.8	98.1	98.8	99.5	99.7	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724-96
STATION

MCGUIRE AFB NJ

STATION NAME

73-87

YEAR

JUL

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 6	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	17.4	43.3	46.2	50.5	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 20000	20.0	51.3	55.5	60.2	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 18000	20.1	51.9	56.1	60.9	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 16000	20.1	51.9	56.1	60.9	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 14000	20.1	51.9	56.1	60.9	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	20.8	53.4	58.1	63.1	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 10000	21.1	56.8	61.9	67.2	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	21.1	57.2	62.4	67.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 8000	22.3	61.5	67.5	73.1	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 7000	23.4	62.4	68.6	74.3	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000	23.5	62.9	69.2	75.1	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 5000	23.5	63.0	69.4	75.2	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 4500	23.9	63.7	70.5	76.6	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	24.1	66.0	73.5	79.9	83.1	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3500	24.3	68.4	76.6	83.4	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3000	24.8	71.4	80.2	87.4	91.4	91.6	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	25.4	72.6	81.4	88.6	92.8	93.4	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	25.4	73.0	81.8	89.2	93.7	94.4	94.8	95.1	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	25.4	73.1	81.9	89.4	93.8	94.5	94.9	95.2	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	25.4	73.4	82.4	89.9	94.3	95.1	95.5	95.7	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	25.4	73.8	82.7	90.2	94.8	95.9	96.3	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	25.5	74.0	83.0	90.5	95.6	96.8	97.2	97.4	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7
≥ 900	25.6	74.1	83.1	90.8	95.8	97.0	97.4	97.6	97.6	97.7	97.8	97.8	97.8	97.8	98.0	98.0
≥ 800	25.6	74.1	83.1	90.8	95.8	97.0	97.4	97.6	97.6	97.7	97.8	97.8	97.8	97.8	98.0	98.0
≥ 700	25.6	74.1	83.1	91.0	96.1	97.4	98.1	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.6	98.6
≥ 600	25.6	74.1	83.2	91.2	96.3	97.8	98.6	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.1	99.1
≥ 500	25.6	74.1	83.2	91.3	96.5	98.1	98.9	99.1	99.1	99.2	99.4	99.4	99.4	99.6	99.6	99.7
≥ 400	25.6	74.1	83.3	91.4	96.6	98.2	99.0	99.2	99.2	99.4	99.6	99.7	99.7	99.9	99.9	100.0
≥ 300	25.6	74.1	83.3	91.4	96.6	98.2	99.0	99.2	99.2	99.4	99.6	99.7	99.7	99.9	99.9	100.0
≥ 200	25.6	74.1	83.3	91.4	96.6	98.2	99.0	99.2	99.2	99.4	99.6	99.7	99.7	99.9	99.9	100.0
≥ 100	25.6	74.1	83.3	91.4	96.6	98.2	99.0	99.2	99.2	99.4	99.6	99.7	99.7	99.9	99.9	100.0
≥ 0	25.6	74.1	83.3	91.4	96.6	98.2	99.0	99.2	99.4	99.6	99.7	99.7	99.7	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724 96

MCGUIRE AFB NJ

73-82

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO. CEILING																
≥ 20000	18.4	48.4	50.5	54.5	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	21.3	57.2	61.1	66.3	68.8	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	21.3	57.3	61.1	66.5	69.0	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	21.3	57.3	61.1	66.5	69.0	69.9	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	21.3	57.6	61.4	66.8	69.4	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	21.7	58.7	62.8	68.9	71.5	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	22.0	63.0	68.4	74.7	77.5	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	22.2	63.9	69.2	75.6	78.4	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 7000	22.8	67.0	73.2	79.9	83.0	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 6000	23.0	67.3	73.5	80.2	83.3	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 5000	23.0	67.5	73.9	80.5	83.7	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500	23.1	67.6	74.0	80.8	84.1	85.1	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 4000	23.2	67.8	74.5	81.6	85.2	86.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 3500	23.2	69.2	76.2	83.9	87.8	88.6	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000	23.5	70.5	77.7	85.5	89.8	90.8	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	23.3	71.6	78.8	86.7	91.1	92.0	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000	23.3	71.9	79.1	87.1	91.5	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	23.8	72.2	79.7	88.0	92.8	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	23.4	72.3	79.9	88.2	93.0	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	23.3	72.6	80.4	88.9	94.2	95.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1000	23.3	72.7	80.5	89.0	94.3	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	23.9	72.9	80.9	89.5	94.8	96.2	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	23.9	72.9	81.0	89.6	94.9	96.3	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	23.9	72.9	81.1	89.8	95.2	96.6	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	23.9	72.9	81.2	90.1	95.6	97.1	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 500	24.0	73.0	81.5	90.4	96.0	97.6	98.5	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	24.0	73.2	81.7	90.8	96.5	98.3	99.2	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	24.0	73.2	81.7	90.8	96.5	98.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	24.0	73.2	81.7	90.8	96.5	98.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	24.0	73.2	81.7	90.8	96.5	98.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	24.0	73.2	81.7	90.8	96.5	98.4	99.5	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
LSAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	18.1	49.4	53.5	58.1	59.2	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	18.9	54.0	59.4	64.8	66.6	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 18000	18.9	54.0	59.4	64.8	66.6	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 16000	18.9	54.0	59.4	64.8	66.6	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 14000	18.9	54.0	59.4	64.8	66.7	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	19.4	54.6	60.4	66.3	68.2	69.9	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	20.0	58.0	64.6	71.3	73.5	75.3	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	20.1	59.0	65.9	72.6	74.8	76.6	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 8000	20.9	62.7	70.1	77.2	80.1	81.9	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	20.9	62.7	70.2	77.3	80.2	82.0	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000	21.1	63.4	71.1	78.2	81.1	82.9	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 5000	21.2	63.7	71.3	78.6	81.5	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	21.4	64.6	72.4	79.7	82.6	84.4	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	21.6	65.7	74.0	81.4	84.7	86.6	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 3500	21.8	66.7	75.1	82.8	86.2	88.1	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	22.0	67.7	76.7	84.7	88.4	90.2	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 2500	22.0	68.0	76.9	85.1	88.8	90.8	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2000	22.0	68.1	77.1	85.4	89.4	91.3	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	22.0	68.3	77.3	85.6	89.7	91.7	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	22.0	68.5	77.8	86.2	90.4	92.5	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	22.0	68.7	78.2	86.6	90.9	92.9	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1000	22.0	69.2	78.8	87.3	91.7	93.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	22.0	69.6	79.1	87.7	92.2	94.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 800	22.0	69.6	79.1	87.7	92.6	94.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	22.0	69.6	79.1	87.8	92.9	95.1	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	22.0	69.8	79.4	88.1	93.1	95.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	22.0	70.1	79.7	88.4	93.4	95.7	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	22.0	70.1	79.8	88.5	93.5	96.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	22.0	70.1	79.8	88.5	93.7	96.3	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	22.0	70.1	79.8	88.5	93.7	96.3	98.9	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	22.0	70.1	79.8	88.5	93.7	96.3	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0
≥ 0	22.0	70.1	79.8	88.5	93.7	96.3	98.9	99.5	99.6	99.7	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
LAFAYETTE
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-4-96 MCGUIRE AFB TX

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
≥1000	15.3	43.7	47.5	51.4	53.4	54.2	54.7	55.0	55.0	55.2	55.2	55.2	55.2	55.3	55.3	55.4
≥800	15.7	49.3	54.2	58.8	61.3	62.5	63.2	63.6	63.7	63.8	63.9	63.9	63.9	64.0	64.0	64.1
≥600	15.7	49.4	54.3	58.9	61.5	62.6	63.4	63.8	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.2
≥400	16.3	49.5	54.4	59.1	61.7	62.9	63.6	64.0	64.1	64.2	64.3	64.3	64.3	64.4	64.4	64.5
≥200	17.1	50.5	55.7	60.5	63.3	64.4	65.3	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.1	66.2
≥100	17.6	53.6	59.5	64.8	68.0	69.1	70.0	70.5	70.5	70.8	70.8	70.8	70.9	70.9	71.0	71.1
≥80	17.7	54.2	60.0	65.3	68.5	69.7	70.6	71.0	71.1	71.3	71.4	71.4	71.5	71.5	71.6	71.7
≥60	18.6	57.6	64.3	69.6	73.1	74.5	75.5	76.1	76.1	76.4	76.4	76.4	76.6	76.6	76.7	76.7
≥40	18.8	58.0	64.6	70.3	73.9	75.3	76.4	76.9	77.0	77.2	77.3	77.3	77.4	77.4	77.5	77.5
≥20	19.3	58.6	65.2	71.0	74.7	76.1	77.2	77.8	77.9	78.1	78.2	78.2	78.3	78.3	78.4	78.4
≥10	19.3	59.1	65.8	71.7	75.5	77.0	78.0	78.6	78.7	78.9	79.0	79.0	79.2	79.2	79.3	79.4
≥5	19.3	59.7	66.7	72.7	76.5	78.1	79.2	79.8	79.9	80.1	80.2	80.2	80.3	80.4	80.4	80.5
≥3	19.5	61.0	68.2	74.5	78.6	80.1	81.4	82.0	82.1	82.4	82.4	82.5	82.6	82.6	82.7	82.8
≥2	19.7	62.8	70.3	76.8	81.1	82.7	84.1	84.7	84.8	85.1	85.2	85.2	85.3	85.3	85.4	85.5
≥1.5	19.7	64.2	72.2	78.9	83.5	85.1	86.6	87.2	87.4	87.6	87.7	87.7	87.8	87.8	87.9	88.0
≥1	20.1	64.8	72.9	79.8	84.5	86.2	87.7	88.4	88.5	88.8	88.9	88.9	89.0	89.0	89.1	89.2
≥0.5	20.2	65.3	73.7	80.8	85.7	87.5	89.0	89.7	89.9	90.2	90.3	90.3	90.4	90.5	90.5	90.6
≥0.25	20.2	65.4	73.9	80.9	85.9	87.7	89.3	89.9	90.1	90.4	90.5	90.5	90.7	90.7	90.8	90.9
≥0.15	20.3	65.9	74.4	81.7	86.9	88.7	90.3	91.0	91.2	91.4	91.6	91.6	91.7	91.7	91.8	91.9
≥0.1	20.4	66.2	74.9	82.2	87.6	89.4	91.0	91.7	91.9	92.2	92.3	92.3	92.4	92.5	92.5	92.6
≥0.05	20.5	66.7	75.5	83.0	88.5	90.5	92.2	92.9	93.1	93.4	93.5	93.5	93.7	93.7	93.8	93.9
≥0.025	20.5	66.9	75.8	83.3	88.9	90.9	92.6	93.3	93.5	93.8	93.9	93.9	94.1	94.1	94.2	94.3
≥0.01	20.5	67.0	76.0	83.5	89.3	91.3	93.1	93.8	94.0	94.3	94.4	94.4	94.6	94.6	94.7	94.8
≥0.005	20.5	67.1	76.1	83.8	89.7	91.7	93.6	94.4	94.6	94.9	95.1	95.1	95.2	95.3	95.3	95.5
≥0.0025	20.6	67.3	76.4	84.2	90.2	92.3	94.3	95.1	95.3	95.6	95.8	95.8	95.9	96.0	96.1	96.2
≥0.001	20.6	67.4	76.6	84.4	90.6	92.9	95.1	96.0	96.2	96.6	96.8	96.8	97.0	97.0	97.1	97.3
≥0.0005	20.6	67.4	76.7	84.6	90.8	93.3	95.7	96.6	96.9	97.3	97.5	97.5	97.7	97.7	97.8	98.0
≥0.00025	20.6	67.5	76.8	84.7	90.9	93.5	95.9	96.9	97.3	97.7	97.9	97.9	98.1	98.1	98.3	98.5
≥0.0001	20.6	67.5	76.8	84.8	91.1	93.6	96.0	97.2	97.6	98.1	98.4	98.4	98.7	98.7	99.0	99.2
≥0.00005	20.6	67.5	76.8	84.8	91.1	93.6	96.0	97.2	97.6	98.1	98.5	98.5	98.8	98.8	99.2	99.7
≥0.000025	20.6	67.5	76.8	84.8	91.1	93.6	96.0	97.2	97.6	98.1	98.5	98.5	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7439

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73496 MCGUIRE AFB NJ

73-82

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	12.3	39.6	44.1	47.3	49.4	50.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥20000	13.3	42.9	50.3	54.8	57.5	59.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥18000	13.3	42.9	50.3	54.8	57.5	59.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥16000	13.3	42.9	50.3	54.8	57.5	59.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥14000	13.3	43.2	50.8	55.3	58.0	59.5	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥12000	13.9	44.2	51.9	56.5	59.2	60.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥10000	14.9	48.3	56.8	62.0	65.3	67.2	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6
≥9000	15.2	48.7	57.2	62.5	65.7	67.6	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1
≥8000	16.5	51.2	59.9	65.6	69.1	71.1	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
≥7000	16.3	51.4	60.1	65.9	69.7	71.6	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥6000	16.3	52.0	60.9	66.8	70.5	72.5	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥5000	17.1	52.8	61.7	67.6	71.4	73.3	76.2	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5
≥4500	17.2	53.3	62.3	68.6	72.7	74.6	77.5	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7
≥4000	17.5	54.6	63.9	70.6	74.8	76.9	79.9	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3
≥3500	17.6	55.3	64.7	71.6	76.2	78.3	81.4	81.6	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥3000	17.7	56.1	65.9	72.8	77.5	79.7	83.1	83.5	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8
≥2500	17.7	56.2	66.0	73.3	78.5	80.8	84.2	84.6	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥2000	18.4	57.5	67.3	74.6	79.8	82.0	85.5	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1
≥1800	18.4	57.5	67.3	74.6	79.8	82.0	85.5	85.9	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1
≥1600	18.7	58.1	68.0	75.3	80.5	82.9	86.5	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥1400	18.8	58.4	68.3	75.6	81.0	83.3	86.9	87.3	87.4	87.5	87.6	87.6	87.6	87.6	87.6	87.6
≥1200	18.8	58.7	68.7	76.1	82.0	84.7	88.4	88.9	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥1000	18.8	58.7	68.7	76.1	82.3	84.9	88.6	89.1	89.2	89.5	89.6	89.6	89.6	89.6	89.6	89.6
≥900	18.8	58.7	69.0	76.7	82.9	85.7	89.8	90.3	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9
≥800	18.8	58.7	69.0	76.7	83.0	85.8	89.9	90.4	90.5	91.0	91.1	91.1	91.1	91.1	91.1	91.1
≥700	18.8	59.1	69.6	77.2	83.5	86.5	90.5	91.1	91.2	91.6	91.7	91.7	91.7	91.7	91.7	91.7
≥600	18.8	59.1	69.8	77.4	83.8	86.7	90.8	91.4	91.5	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥500	18.9	59.5	70.4	78.1	84.5	87.7	92.4	93.0	93.1	93.5	93.8	93.8	93.9	93.9	93.9	94.0
≥400	18.9	59.5	70.4	78.1	84.5	87.8	92.6	93.5	93.9	94.6	94.9	94.9	95.4	95.4	95.5	95.7
≥300	18.9	59.5	70.4	78.2	84.7	88.1	93.0	94.3	94.7	95.6	96.1	96.1	96.6	96.6	97.0	97.7
≥200	18.9	59.5	70.4	78.2	84.7	88.1	93.0	94.3	94.7	95.7	96.2	96.2	96.8	96.8	97.2	98.6
≥100	18.9	59.5	70.4	78.2	84.7	88.1	93.0	94.3	94.7	95.7	96.2	96.2	96.8	96.8	97.2	98.6
≥50	18.9	59.5	70.4	78.2	84.7	88.1	93.0	94.3	94.7	95.7	96.2	96.2	96.8	96.8	97.2	98.6

TOTAL NUMBER OF OBSERVATIONS 932

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496 MCGUIRE AFB NJ

73-62

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	5.7	30.2	35.3	40.2	42.9	45.1	48.0	48.6	48.6	49.0	49.0	49.0	49.0	49.0	49.1	49.4
≥ 20000	9.7	33.5	39.5	45.4	48.9	51.3	54.6	55.5	55.5	56.1	56.2	56.2	56.2	56.2	56.3	56.7
≥ 18000	9.7	33.5	39.5	45.4	48.9	51.3	54.6	55.5	55.5	56.1	56.2	56.2	56.2	56.2	56.3	56.7
≥ 16000	9.7	33.5	39.5	45.4	48.9	51.3	54.6	55.5	55.5	56.1	56.2	56.2	56.2	56.2	56.3	56.7
≥ 14000	9.7	34.1	40.2	45.9	49.5	51.8	55.2	56.0	56.0	56.7	56.8	56.8	56.8	56.8	56.9	57.2
≥ 12000	9.5	34.8	41.1	47.0	50.8	53.2	56.6	57.4	57.4	58.1	58.2	58.2	58.2	58.2	58.3	58.6
≥ 10000	9.3	37.8	44.9	51.3	55.9	58.5	62.9	63.8	63.8	64.4	64.6	64.7	64.8	64.8	65.1	65.4
≥ 9000	10.0	38.6	45.8	52.2	56.8	59.4	64.0	64.9	64.9	65.6	65.8	65.9	66.0	66.0	66.2	66.6
≥ 8000	10.4	40.9	48.6	55.3	60.2	62.8	67.6	68.6	68.7	69.4	69.6	69.7	69.8	69.8	70.0	70.3
≥ 7000	10.5	41.0	48.8	55.6	60.6	63.2	68.1	69.0	69.1	69.8	70.0	70.1	70.2	70.2	70.4	70.8
≥ 6000	10.5	41.3	49.1	56.0	61.3	63.9	68.8	69.8	69.9	70.5	70.8	70.9	71.0	71.0	71.2	71.5
≥ 5000	10.8	42.0	50.0	56.9	62.2	64.7	69.7	70.8	70.9	71.5	71.7	71.8	71.9	71.9	72.2	72.5
≥ 4500	10.8	43.0	51.1	58.4	64.0	66.6	71.6	72.7	72.8	73.4	73.7	73.8	73.9	73.9	74.1	74.4
≥ 4000	10.9	43.9	52.2	59.6	65.3	68.2	73.2	74.3	74.4	75.2	75.4	75.5	75.6	75.6	75.8	76.1
≥ 3500	10.9	44.4	52.9	60.3	66.1	69.1	74.2	75.3	75.5	76.2	76.5	76.6	76.7	76.7	76.9	77.2
≥ 3000	11.1	45.4	54.4	61.9	68.1	71.2	76.5	77.7	78.0	78.7	78.9	79.0	79.1	79.1	79.4	79.7
≥ 2500	11.2	45.8	55.1	62.7	69.1	72.3	77.5	78.8	79.0	79.8	80.0	80.1	80.2	80.2	80.4	80.8
≥ 2000	11.4	46.2	55.5	63.2	69.9	73.0	78.3	79.7	79.9	80.6	80.9	81.0	81.1	81.1	81.3	81.6
≥ 1800	11.4	46.3	55.6	63.3	70.1	73.2	78.5	79.9	80.1	80.9	81.1	81.2	81.3	81.3	81.5	81.8
≥ 1600	11.6	47.4	56.8	64.6	71.4	74.5	80.0	81.4	81.6	82.4	82.6	82.7	82.8	82.8	83.0	83.3
≥ 1400	11.6	47.6	57.0	64.8	71.6	74.7	80.2	81.6	81.8	82.6	82.8	82.9	83.0	83.0	83.2	83.5
≥ 1200	11.9	48.1	58.0	66.1	72.9	76.2	81.7	83.4	83.7	84.4	84.6	84.7	84.8	84.8	85.1	85.4
≥ 1000	11.9	48.2	58.2	66.3	73.1	76.5	82.0	83.8	84.1	84.8	85.1	85.2	85.3	85.3	85.5	85.8
≥ 900	12.0	48.4	58.5	67.0	73.9	77.2	82.8	84.6	84.9	85.7	86.0	86.1	86.2	86.2	86.5	86.8
≥ 800	12.0	48.5	58.6	67.2	74.3	77.7	83.4	85.5	85.8	86.7	87.0	87.1	87.2	87.2	87.4	87.7
≥ 700	12.0	48.5	58.7	67.4	74.5	78.3	84.0	86.2	86.6	87.4	87.7	87.8	88.0	88.0	88.2	88.5
≥ 600	12.0	48.5	58.9	68.1	75.3	79.1	84.8	87.3	87.6	88.6	88.9	89.0	89.1	89.1	89.4	89.7
≥ 500	12.0	48.6	59.4	68.5	75.7	79.9	85.7	88.8	89.1	90.4	90.9	91.0	91.1	91.1	91.3	91.7
≥ 400	12.0	48.6	59.4	68.5	75.8	80.1	86.1	89.4	89.7	91.1	91.9	92.0	92.2	92.2	92.7	94.1
≥ 300	12.0	48.6	59.4	68.5	75.8	80.2	86.3	89.9	90.5	91.9	93.9	94.0	94.2	94.2	94.8	96.8
≥ 200	12.0	48.6	59.4	68.5	75.8	80.2	86.5	90.0	90.6	92.0	94.2	94.3	94.6	94.7	95.6	98.0
≥ 100	12.0	48.6	59.4	68.5	75.8	80.2	86.5	90.0	90.6	92.0	94.2	94.3	94.6	94.7	95.6	98.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496 MCGUIRE AFB NJ

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2622-2822

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	7.0	26.8	31.2	34.7	39.1	41.7	44.5	45.9	46.7	47.2	47.4	47.4	47.4	47.4	47.5	47.7
≥20000	3.2	30.5	35.6	39.9	45.7	48.5	52.0	53.7	54.4	55.2	55.6	55.6	55.7	55.7	55.8	56.0
≥18000	3.2	30.5	35.6	39.9	45.7	48.5	52.0	53.7	54.4	55.2	55.6	55.6	55.7	55.7	55.8	56.0
≥16000	3.2	30.5	35.6	39.9	45.7	48.5	52.0	53.7	54.4	55.2	55.6	55.6	55.7	55.7	55.8	56.0
≥14000	8.2	30.8	35.8	40.1	45.9	48.7	52.3	53.9	54.6	55.4	55.8	55.8	55.9	55.9	56.0	56.2
≥12000	8.7	31.6	36.9	41.3	47.5	50.4	54.0	55.6	56.3	57.1	57.5	57.5	57.6	57.6	57.7	58.2
≥10000	9.0	33.5	39.7	44.7	51.5	54.9	58.7	60.6	61.5	62.5	63.0	63.0	63.2	63.2	63.3	63.5
≥9000	9.0	33.9	40.0	45.1	51.9	55.5	59.5	61.4	62.4	63.3	63.9	63.9	64.1	64.1	64.2	64.4
≥8000	9.1	37.0	43.8	49.1	56.9	60.6	64.9	66.9	67.8	68.8	69.5	69.5	69.9	70.0	70.1	70.3
≥7000	9.2	37.8	44.8	50.3	58.1	61.8	66.1	68.1	69.0	70.0	70.6	70.6	71.1	71.2	71.3	71.5
≥6000	9.2	38.0	44.9	50.5	58.6	62.5	66.9	68.9	69.9	70.9	71.5	71.5	71.9	72.0	72.2	72.4
≥5000	9.2	39.4	46.3	51.9	60.0	63.9	68.5	70.6	71.6	72.8	73.4	73.4	73.9	74.0	74.1	74.3
≥4500	9.4	40.0	47.2	53.1	61.4	65.3	70.1	72.5	73.4	74.6	75.3	75.3	75.7	75.8	76.0	76.3
≥4000	9.4	40.6	48.0	54.0	62.7	66.7	71.6	74.2	75.2	76.5	77.1	77.1	77.5	77.6	77.8	78.2
≥3500	9.4	41.4	48.8	54.8	63.7	67.6	72.6	75.3	76.2	77.5	78.2	78.2	78.6	78.7	78.9	79.2
≥3000	9.7	42.4	49.9	55.9	64.8	69.0	74.1	76.9	77.8	79.1	79.9	79.9	80.4	80.5	80.8	81.1
≥2500	9.8	43.0	50.5	56.8	65.8	70.0	75.1	77.8	78.8	80.1	80.9	80.9	81.5	81.6	81.8	82.2
≥2000	10.4	44.2	51.7	58.0	67.1	71.3	76.3	79.1	80.1	81.4	82.2	82.2	82.8	82.9	83.1	83.4
≥1800	10.4	44.2	51.7	58.1	67.2	71.4	76.5	79.2	80.2	81.5	82.3	82.3	82.9	83.0	83.2	83.5
≥1500	10.5	44.3	51.9	58.5	67.8	72.2	77.4	80.3	81.3	82.6	83.3	83.3	84.0	84.1	84.3	84.6
≥1200	10.5	44.6	52.5	59.1	68.6	72.9	78.3	81.2	82.2	83.4	84.2	84.2	84.8	84.9	85.2	85.5
≥1000	10.5	44.8	52.8	59.8	69.2	73.8	79.2	82.2	83.1	84.4	85.3	85.3	85.9	86.0	86.2	86.6
≥900	10.5	44.8	53.1	60.2	69.8	74.4	80.0	82.9	83.9	85.2	86.1	86.1	86.8	86.9	87.1	87.4
≥800	10.5	44.9	53.2	60.3	70.5	75.3	81.1	84.0	84.9	86.2	87.2	87.2	87.8	88.0	88.2	88.5
≥700	10.5	45.2	53.4	60.5	71.2	76.2	82.4	85.4	86.3	87.7	88.7	88.7	89.5	89.7	89.9	90.2
≥600	10.5	45.2	53.4	60.5	71.4	76.6	82.9	86.2	87.2	88.7	89.7	89.7	90.6	90.9	91.1	91.4
≥500	10.5	45.2	53.4	60.5	71.4	76.6	82.9	86.2	87.4	89.2	90.3	90.3	91.4	91.6	91.8	92.4
≥400	10.5	45.2	53.5	60.6	71.8	77.0	83.5	87.4	88.9	91.0	92.4	92.4	93.5	93.8	94.1	94.7
≥300	10.5	45.2	53.5	60.8	71.9	77.1	83.8	87.7	89.5	91.7	93.2	93.3	95.3	95.5	95.9	96.7
≥200	10.5	45.2	53.5	60.8	71.9	77.1	83.8	87.7	89.6	92.2	94.2	94.3	96.7	97.1	97.7	98.5
≥100	10.5	45.2	53.5	60.8	71.9	77.1	83.8	87.7	89.6	92.2	94.2	94.3	96.8	97.2	98.2	99.6
≥0	10.5	45.2	53.5	60.8	71.9	77.1	83.8	87.7	89.6	92.2	94.2	94.3	96.8	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796

MCGUIRE AFB NJ

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01
NO CEILING	11.7	38.9	44.5	48.5	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	12.6	44.4	51.5	56.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	12.6	44.4	51.5	56.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	12.6	44.4	51.5	56.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 14000	12.6	44.4	51.5	56.1	59.5	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 12000	12.6	45.1	52.2	56.9	60.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000	13.4	43.0	55.4	60.9	64.6	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000	13.4	43.0	55.4	60.9	64.6	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	13.7	49.8	57.8	63.9	68.5	69.2	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6
≥ 7000	13.9	50.5	58.8	65.1	69.8	70.5	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	13.8	50.9	59.2	65.5	70.6	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 5000	13.9	52.0	60.6	66.9	72.3	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	14.0	52.8	61.5	67.8	73.3	74.1	74.5	74.5	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	14.0	53.7	62.7	69.5	75.3	76.1	76.6	76.7	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.0
≥ 3500	14.6	55.1	64.1	71.2	77.4	78.5	78.9	79.0	79.0	79.1	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	15.1	57.1	66.3	74.0	80.8	82.0	82.6	82.7	82.7	82.9	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	15.3	58.2	68.7	75.7	82.8	84.1	84.6	84.8	84.8	85.1	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2000	16.1	59.9	69.9	78.2	85.5	87.1	87.7	88.0	88.0	88.2	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	16.1	59.9	70.0	78.5	85.8	87.4	88.1	88.3	88.3	88.5	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500	16.5	61.0	71.6	80.1	87.8	89.7	90.6	90.9	90.9	91.2	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	16.6	61.5	72.4	81.3	89.4	91.2	92.4	92.6	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	16.6	61.8	73.2	82.6	91.1	93.0	94.5	94.7	94.7	95.3	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	16.6	61.8	73.2	82.8	91.4	93.3	94.9	95.2	95.2	95.7	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	16.7	61.9	73.4	83.3	91.9	94.0	95.6	95.8	95.8	96.3	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	16.7	62.2	73.7	83.7	92.4	94.5	96.2	96.6	96.6	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	16.7	62.2	73.7	83.9	92.7	94.9	96.7	97.2	97.4	98.0	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	16.7	62.6	74.1	84.5	93.3	95.6	97.5	98.2	98.4	98.9	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	16.7	62.6	74.1	84.5	93.4	95.7	97.6	98.3	98.5	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	16.7	62.6	74.1	84.5	93.4	95.7	97.6	98.3	98.5	99.1	99.6	99.7	99.8	99.8	99.8	99.8
≥ 200	16.7	62.6	74.1	84.5	93.4	95.7	97.6	98.3	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥ 100	16.7	62.6	74.1	84.5	93.4	95.7	97.6	98.3	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9
≥ 0	16.7	62.6	74.1	84.5	93.4	95.7	97.6	98.3	98.5	99.1	99.6	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 933

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496

MCGUIRE AFB NJ

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.1	≥.05	≥.01
≥20000	11.5	40.1	44.6	46.5	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
18000	14.6	48.8	55.3	57.5	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
16000	14.6	49.0	55.5	57.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
14000	14.6	49.0	55.5	57.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
12000	15.1	50.3	57.2	59.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
10000	15.5	53.2	60.5	63.0	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
9000	15.3	53.5	60.9	63.3	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
8000	15.1	55.7	63.5	66.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
7000	16.1	56.9	64.8	68.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
6000	16.1	57.0	64.9	68.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
5000	16.3	58.3	66.3	70.1	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
4500	16.5	59.7	67.8	71.6	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
4000	16.7	61.0	69.4	73.5	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
3500	17.3	63.9	72.9	77.6	82.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
3000	17.7	66.6	76.2	81.8	88.5	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2500	17.7	67.5	77.5	83.1	89.9	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
2000	18.2	68.8	79.0	85.1	92.3	93.4	93.5	93.7	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9
1800	18.4	69.0	79.2	85.3	92.5	93.7	93.8	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1
1600	18.6	69.7	80.2	86.3	93.7	94.8	94.9	95.1	95.1	95.2	95.4	95.4	95.4	95.5	95.5	95.5
1400	18.7	70.3	81.4	87.5	94.9	96.3	96.5	96.6	96.6	96.7	96.9	96.9	96.9	97.0	97.0	97.0
1200	18.7	71.0	82.0	88.2	95.8	97.4	97.6	97.8	97.8	98.0	98.2	98.2	98.2	98.3	98.3	98.3
1000	18.7	71.2	82.3	88.4	96.2	97.8	98.1	98.3	98.3	98.4	98.6	98.6	98.6	98.7	98.7	98.7
900	18.7	71.6	82.7	88.8	96.7	98.3	98.5	98.7	98.7	98.8	99.0	99.0	99.0	99.1	99.1	99.1
800	18.8	71.7	82.8	88.9	96.8	98.4	98.6	98.8	98.8	98.9	99.1	99.1	99.1	99.2	99.2	99.2
700	18.8	71.7	83.0	89.2	97.1	98.7	98.9	99.1	99.1	99.2	99.5	99.5	99.5	99.6	99.6	99.6
600	18.8	71.7	83.0	89.4	97.2	98.8	99.2	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
500	18.8	71.7	83.0	89.4	97.2	98.8	99.2	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
400	18.8	71.7	83.0	89.4	97.2	98.8	99.2	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
300	18.8	71.7	83.0	89.4	97.2	98.8	99.2	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
200	18.8	71.7	83.0	89.4	97.2	98.8	99.2	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
100	18.8	71.7	83.0	89.4	97.2	98.8	99.2	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9
0	18.8	71.7	83.0	89.4	97.2	98.8	99.2	99.5	99.5	99.6	99.8	99.8	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496 MCGUIRE AFB NJ

73-82

AB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	13.1	40.8	44.5	46.0	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥20000	15.3	50.1	55.1	56.9	59.7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥18000	16.3	50.2	55.2	57.0	59.8	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥16000	16.3	50.3	55.4	57.2	60.0	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥14000	16.3	50.4	55.6	57.4	60.2	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥12000	16.7	51.6	57.2	59.1	62.0	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥10000	17.4	54.8	61.2	63.3	66.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥9000	17.4	55.5	61.8	64.0	67.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥8000	18.2	58.7	65.4	68.2	71.5	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥7000	18.3	59.9	66.6	69.6	72.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥6000	19.6	60.0	67.0	70.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥5000	18.9	61.4	68.4	71.7	75.1	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥4500	18.9	61.7	68.9	72.7	76.2	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥4000	19.2	63.0	70.3	74.2	78.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥3500	19.9	65.4	72.9	77.1	81.8	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥3000	20.3	68.0	76.3	81.3	86.7	88.6	89.0	89.0	89.0	89.2	89.4	89.4	89.4	89.4	89.4	89.4
≥2500	20.5	68.6	77.5	82.9	88.6	90.8	91.4	91.5	91.5	91.7	91.8	91.8	91.8	91.8	91.9	91.9
≥2000	21.0	69.7	79.0	84.7	90.8	93.0	93.8	93.9	93.9	94.1	94.2	94.2	94.2	94.2	94.3	94.3
≥1800	21.0	69.7	79.1	84.8	90.9	93.1	93.9	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.4	94.4
≥1500	21.0	70.1	79.6	85.4	91.7	94.0	95.1	95.3	95.3	95.6	95.8	95.8	95.8	95.8	95.9	95.9
≥1200	21.0	70.1	79.7	85.5	91.8	94.3	95.6	95.8	95.9	96.1	96.5	96.5	96.5	96.5	96.6	96.6
≥1000	21.0	70.3	80.0	86.2	92.6	95.3	96.6	96.8	96.8	97.1	97.4	97.4	97.4	97.4	97.5	97.5
≥900	21.0	70.6	80.4	86.7	93.1	95.8	97.1	97.3	97.3	97.6	98.0	98.0	98.0	98.0	98.1	98.1
≥800	21.0	70.6	80.4	86.8	93.2	95.9	97.2	97.4	97.4	97.7	98.1	98.1	98.1	98.1	98.2	98.2
≥700	21.0	70.8	80.9	87.2	93.7	96.3	97.6	98.0	98.0	98.3	98.6	98.6	98.6	98.6	98.7	98.7
≥600	21.0	70.9	81.0	87.3	93.9	96.6	97.8	98.3	98.3	98.7	99.0	99.0	99.0	99.0	99.1	99.1
≥500	21.0	71.0	81.1	87.4	94.1	96.8	98.2	98.7	98.8	99.2	99.6	99.6	99.6	99.6	99.7	99.7
≥400	21.0	71.0	81.1	87.4	94.1	96.8	98.2	98.9	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9
≥300	21.0	71.0	81.1	87.4	94.1	96.8	98.2	98.9	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9
≥200	21.0	71.0	81.1	87.4	94.1	96.8	98.2	98.9	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9
≥100	21.0	71.0	81.1	87.4	94.1	96.8	98.2	98.9	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9
≥0	21.0	71.0	81.1	87.4	94.1	96.8	98.2	98.9	99.0	99.5	99.8	99.8	99.8	99.8	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

704 96

MCGUIRE AFB NJ

73-87

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1946-1950

		VISIBILITY - STATUTE MILES																
		≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.01	
2000	14.1	42.4	46.1	48.9	51.3	52.4	52.6	52.6	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
1800	16.7	53.9	56.7	60.5	63.4	64.8	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
1600	16.7	53.9	56.7	60.5	63.4	64.8	65.5	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	
1400	16.7	51.0	56.8	60.6	63.5	64.9	65.6	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	
1200	17.4	52.2	58.3	62.2	65.2	66.6	67.2	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
1000	18.3	54.4	61.5	65.9	69.6	71.2	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	
800	18.4	54.7	61.8	66.2	69.9	71.5	72.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
600	19.0	57.7	64.8	69.9	74.0	75.7	76.8	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	
400	19.9	59.5	66.8	72.0	76.1	77.8	78.9	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	
200	19.9	63.1	67.4	72.8	76.9	78.7	79.9	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	
100	20.2	61.4	68.7	74.3	78.6	80.5	81.8	82.0	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	
50	20.2	62.5	69.8	75.6	80.4	82.4	83.9	84.1	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
25	20.3	63.9	71.2	77.1	82.3	84.2	85.7	85.9	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
10	20.5	65.2	73.2	79.1	84.6	86.6	88.2	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	
5	20.3	65.9	74.5	80.8	87.3	89.4	91.3	91.7	91.7	92.0	92.2	92.2	92.3	92.3	92.3	92.3	92.3	
2	20.4	66.7	75.4	81.8	88.4	90.5	93.4	94.1	94.1	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	
1	20.3	66.9	75.6	82.0	88.6	90.9	93.9	94.5	94.5	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	
0.5	20.5	67.0	75.7	82.2	88.8	91.1	94.1	94.7	94.7	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	
0.25	20.4	67.0	75.7	82.3	88.9	91.2	94.2	94.9	94.9	95.3	95.5	95.5	95.8	95.8	95.8	95.8	95.8	
0.15	20.5	67.0	75.7	82.3	88.9	91.3	94.3	95.2	95.2	95.5	95.7	95.7	96.0	96.0	96.0	96.0	96.0	
0.1	20.3	67.1	75.8	82.4	89.0	91.5	94.6	95.9	96.0	96.5	96.7	96.7	97.0	97.0	97.0	97.0	97.0	
0.05	20.3	67.2	75.9	82.5	89.4	91.8	94.9	96.2	96.3	96.9	97.1	97.1	97.4	97.4	97.4	97.4	97.4	
0.01	20.8	67.5	76.3	82.9	90.0	92.6	95.7	97.0	97.1	97.6	97.8	97.8	98.2	98.2	98.3	98.3	98.3	
0.005	20.4	67.6	76.5	83.0	90.3	93.1	96.2	97.5	97.6	98.2	98.4	98.4	98.7	98.7	98.8	98.8	98.8	
0.002	20.8	67.6	76.5	83.0	90.3	93.1	96.2	97.5	97.7	98.3	98.5	98.5	98.8	98.8	98.9	98.9	98.9	
0.001	20.3	67.7	76.6	83.1	90.6	93.4	96.7	98.1	98.3	98.8	99.0	99.0	99.4	99.4	99.5	99.5	99.5	
0.0005	20.3	67.7	76.6	83.1	90.8	93.5	96.8	98.4	98.6	99.1	99.4	99.4	99.7	99.7	99.8	99.8	99.8	
0.0002	20.3	67.7	76.6	83.1	90.8	93.5	96.9	98.6	98.8	99.4	99.6	99.6	99.9	99.9	100.0	100.0	100.0	
0.0001	20.3	67.7	76.6	83.1	90.8	93.5	96.9	98.6	98.8	99.4	99.6	99.6	99.9	99.9	100.0	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 933

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLERICAL CLIMATOLOGY BRANCH
AFETAC
AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-4096 MCGUIRE AFB NJ

73-82

AMS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2100

ELEVATION FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO. CEILING ≥ 20000	13.1	43.2	47.8	51.5	53.5	54.0	54.1	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6	54.6
2 18000	15.2	49.5	55.4	60.5	63.2	64.2	64.4	64.7	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1
2 16000	15.2	49.5	55.4	60.5	63.2	64.2	64.4	64.7	64.7	64.8	65.1	65.1	65.1	65.1	65.1	65.1
2 14000	15.3	49.7	55.6	60.8	63.5	64.5	64.7	65.1	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4
2 12000	15.4	50.5	56.5	61.7	64.5	65.5	65.7	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3
2 10000	16.6	54.1	60.5	66.7	70.2	71.7	72.0	72.4	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7
2 9000	16.9	54.7	61.3	67.6	71.2	72.7	73.0	73.3	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7
2 8000	18.0	57.4	64.3	71.2	75.1	76.6	77.1	77.4	77.4	77.5	77.7	77.7	77.7	77.7	77.7	77.7
2 7000	18.4	58.3	65.2	72.3	76.2	77.7	78.3	78.6	78.6	78.7	78.9	78.9	78.9	78.9	78.9	78.9
2 6000	18.4	58.8	65.7	72.9	76.9	78.4	79.0	79.4	79.4	79.5	79.7	79.7	79.7	79.7	79.7	79.7
2 5000	18.9	60.2	67.3	74.7	78.8	80.3	81.1	81.4	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7
2 4500	19.1	60.6	67.7	75.2	79.2	80.8	81.6	81.9	81.9	82.0	82.3	82.3	82.3	82.3	82.3	82.3
2 4000	19.1	62.0	69.2	77.5	82.2	83.9	84.7	85.4	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7
2 3500	19.4	62.9	70.5	79.1	84.0	85.7	86.6	87.2	87.2	87.3	87.5	87.5	87.5	87.5	87.5	87.5
2 3000	19.5	63.8	71.4	80.6	86.1	87.8	88.8	89.5	89.5	89.6	89.8	89.8	89.8	89.8	89.8	89.8
2 2500	19.5	64.1	71.9	81.3	86.8	88.5	89.9	90.6	90.6	90.8	91.0	91.0	91.0	91.0	91.0	91.0
2 2000	19.8	64.7	72.6	81.9	87.4	89.1	90.6	91.4	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7
2 1800	19.8	64.7	72.6	81.9	87.4	89.1	90.6	91.4	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7
2 1600	19.8	64.7	72.6	81.9	87.5	89.2	91.0	91.7	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0
2 1400	19.8	64.7	72.6	81.9	87.5	89.4	91.3	92.0	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4
2 1200	19.8	64.8	72.8	82.4	88.0	89.8	91.9	92.7	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0
2 1000	19.8	64.9	72.9	82.7	88.4	90.2	92.4	93.1	93.1	93.2	93.4	93.4	93.4	93.4	93.4	93.4
2 900	19.8	64.9	72.9	83.0	89.1	91.1	93.3	94.2	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8
2 800	19.8	65.1	73.2	83.3	89.6	91.6	93.9	94.7	94.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4
2 700	19.8	65.3	73.4	83.5	89.8	91.8	94.3	95.3	95.3	95.7	95.9	95.9	95.9	96.0	96.0	96.0
2 600	20.0	65.6	73.9	84.1	90.4	92.6	95.2	96.2	96.2	96.7	96.9	96.9	96.9	97.0	97.0	97.0
2 500	20.0	65.8	74.2	84.4	90.9	93.1	96.1	97.4	97.4	97.8	98.1	98.1	98.1	98.3	98.3	98.3
2 400	20.0	65.8	74.2	84.4	91.0	93.3	96.7	97.7	97.7	98.2	98.4	98.4	98.4	98.6	98.6	98.6
2 300	20.0	65.8	74.2	84.4	91.0	93.3	96.7	98.3	98.3	98.7	99.0	99.0	99.0	99.1	99.4	99.5
2 200	20.0	65.8	74.2	84.4	91.0	93.3	96.7	98.4	98.4	98.8	99.1	99.1	99.1	99.2	99.6	99.8
2 100	20.0	65.8	74.2	84.4	91.0	93.3	96.7	98.4	98.4	98.8	99.1	99.1	99.1	99.2	99.6	99.8
2 00	20.0	65.8	74.2	84.4	91.0	93.3	96.7	98.4	98.4	98.8	99.1	99.1	99.1	99.2	99.6	99.8

TOTAL NUMBER OF OBSERVATIONS 930

CLERICAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-4-196

MCGUIRE AFB NJ

73-82

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	210	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
20000	11.3	37.6	42.3	45.5	47.9	49.0	49.9	50.2	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.6
18000	13.2	43.8	49.9	54.0	57.2	58.5	59.7	60.0	60.1	60.3	60.4	60.4	60.4	60.4	60.5	60.6
16000	13.2	43.8	49.9	54.0	57.2	58.5	59.7	60.1	60.1	60.3	60.4	60.4	60.4	60.5	60.5	60.6
14000	13.2	43.9	50.0	54.0	57.3	58.6	59.7	60.1	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.6
12000	13.3	44.1	50.2	54.2	57.5	58.8	60.0	60.3	60.4	60.6	60.7	60.7	60.7	60.7	60.8	60.8
10000	13.6	45.0	51.4	55.5	58.9	60.3	61.4	61.8	61.9	62.1	62.2	62.2	62.2	62.2	62.2	62.3
9000	14.4	48.0	55.1	59.7	63.7	65.3	66.7	67.2	67.3	67.5	67.6	67.6	67.6	67.7	67.7	67.8
8000	14.6	48.5	55.5	60.2	64.2	65.8	67.3	67.7	67.9	68.1	68.2	68.2	68.3	68.3	68.3	68.4
7000	15.1	51.0	58.5	63.8	68.2	69.9	71.6	72.0	72.2	72.4	72.6	72.6	72.6	72.6	72.7	72.8
6000	15.4	51.9	59.5	64.9	69.4	71.1	72.8	73.2	73.4	73.6	73.8	73.8	73.9	73.9	73.9	74.0
5000	15.4	52.3	59.9	65.4	70.0	71.7	73.5	74.0	74.1	74.4	74.5	74.5	74.6	74.6	74.7	74.7
4500	15.7	53.4	61.2	66.8	71.5	73.3	75.1	75.6	75.7	76.0	76.2	76.2	76.2	76.3	76.3	76.4
4000	15.3	54.2	62.0	67.9	72.8	74.6	76.6	77.1	77.2	77.5	77.7	77.7	77.8	77.8	77.8	77.9
3500	15.7	55.3	63.3	69.5	74.9	76.8	78.8	79.4	79.6	79.9	80.1	80.1	80.1	80.2	80.2	80.3
3000	16.2	56.7	65.0	71.4	77.1	79.1	81.2	81.8	81.9	82.2	82.4	82.4	82.5	82.5	82.6	82.7
2500	16.5	58.1	66.9	73.6	80.0	82.2	84.4	85.1	85.3	85.6	85.9	85.9	86.0	86.0	86.0	86.1
2000	16.6	58.8	67.7	74.7	81.2	83.5	85.9	86.7	86.8	87.2	87.4	87.5	87.6	87.6	87.6	87.7
1800	17.3	59.7	68.8	76.0	82.7	85.0	87.5	88.3	88.4	88.8	89.0	89.1	89.2	89.2	89.2	89.3
1600	17.2	59.8	68.9	76.1	82.8	85.1	87.6	88.4	88.6	89.0	89.2	89.2	89.3	89.3	89.4	89.5
1400	17.2	60.3	69.5	76.8	83.7	86.1	88.7	89.6	89.7	90.1	90.4	90.4	90.6	90.6	90.6	90.7
1200	17.2	60.5	69.9	77.3	84.2	86.7	89.4	90.3	90.4	90.9	91.2	91.2	91.3	91.3	91.4	91.5
1000	17.3	60.8	70.4	78.0	85.1	87.7	90.6	91.6	91.7	92.2	92.5	92.5	92.6	92.7	92.7	92.8
900	17.3	60.9	70.6	78.2	85.5	88.1	91.0	92.0	92.2	92.7	93.0	93.0	93.1	93.2	93.2	93.3
800	17.3	61.1	70.8	78.6	86.0	88.8	91.7	92.8	92.9	93.5	93.8	93.8	94.0	94.0	94.1	94.2
700	17.3	61.2	71.0	78.8	86.4	89.2	92.3	93.4	93.5	94.1	94.5	94.5	94.6	94.7	94.7	94.8
600	17.3	61.3	71.2	79.0	86.7	89.6	92.7	93.9	94.1	94.7	95.0	95.1	95.2	95.3	95.4	95.4
500	17.3	61.4	71.3	79.3	87.0	89.9	93.2	94.4	94.7	95.4	95.7	95.7	95.9	96.0	96.1	96.2
400	17.3	61.5	71.5	79.5	87.3	90.3	93.7	95.2	95.5	96.2	96.7	96.7	96.9	96.9	97.0	97.2
300	17.3	61.5	71.5	79.5	87.3	90.4	93.8	95.4	95.8	96.6	97.1	97.2	97.5	97.6	97.8	98.1
200	17.3	61.5	71.5	79.5	87.4	90.4	94.0	95.7	96.1	97.0	97.8	97.8	98.3	98.3	98.6	99.0
100	17.3	61.5	71.5	79.5	87.4	90.4	94.0	95.7	96.1	97.0	97.8	97.9	98.4	98.5	98.8	99.5
0	17.3	61.5	71.5	79.5	87.4	90.4	94.0	95.7	96.1	97.0	97.8	97.9	98.4	98.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7490

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74096 MCGUIRE AFB NJ STATION NAME

73-82 YEARS

SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0000 HOUR

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	15.2	47.0	51.6	54.1	55.9	56.4	57.0	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
≥ 20000	16.2	50.1	55.7	58.4	60.4	61.0	61.6	61.8	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 18000	16.2	50.1	55.7	58.4	60.4	61.0	61.6	61.8	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 16000	16.2	50.1	55.7	58.4	60.4	61.0	61.6	61.8	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 14000	16.2	50.1	55.7	58.4	60.4	61.0	61.6	61.8	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
≥ 12000	16.3	50.9	56.4	59.2	61.3	61.9	62.4	62.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.2
≥ 10000	17.4	54.4	60.3	63.7	66.0	66.6	67.1	67.3	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9
≥ 9000	17.4	54.6	60.4	63.8	66.1	66.7	67.2	67.4	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0
≥ 8000	18.8	57.9	64.1	67.7	70.0	70.6	71.1	71.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 7000	19.2	58.3	64.6	68.1	70.4	71.0	71.6	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
≥ 6000	19.2	58.6	64.8	68.3	70.7	71.2	71.8	72.0	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6
≥ 5000	19.4	59.8	66.0	69.6	71.9	72.6	73.1	73.3	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 4500	19.8	61.3	68.0	71.7	74.0	74.7	75.2	75.4	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.0
≥ 4000	19.9	62.1	68.8	72.4	74.9	75.7	76.2	76.4	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0
≥ 3500	20.0	63.8	70.6	74.2	76.7	77.4	78.0	78.4	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
≥ 3000	20.1	66.0	72.9	76.8	79.6	80.3	80.9	81.3	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9
≥ 2500	20.2	67.2	74.6	78.4	81.4	82.2	82.8	83.2	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8
≥ 2000	20.3	68.2	75.9	79.8	83.1	84.2	84.9	85.3	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9
≥ 1800	20.3	68.4	76.1	80.1	83.4	84.6	85.2	85.7	85.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2
≥ 1500	20.3	69.3	77.2	81.3	84.7	85.8	86.4	86.9	87.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.4
≥ 1200	20.3	69.6	77.4	81.6	85.0	86.2	86.9	87.3	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.9
≥ 1000	20.3	69.7	77.8	82.1	85.7	87.0	87.7	88.1	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7
≥ 900	20.3	69.9	78.1	82.4	86.0	87.3	88.0	88.4	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0
≥ 800	20.3	70.3	78.7	83.2	86.8	88.1	88.9	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥ 700	20.3	70.3	78.7	83.2	87.0	88.3	89.1	89.9	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
≥ 600	20.3	70.6	79.1	83.7	87.7	89.1	89.9	90.9	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
≥ 500	20.3	70.7	79.2	84.9	89.6	91.1	92.0	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.6
≥ 400	20.3	70.7	79.4	85.8	90.4	92.1	93.4	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2
≥ 300	20.3	70.7	79.6	85.9	90.6	92.4	94.4	95.9	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	97.1
≥ 200	20.3	70.7	79.6	85.9	90.7	92.6	94.8	96.3	96.7	97.1	97.7	97.7	97.7	97.7	97.7	97.7	98.1
≥ 100	20.3	70.7	79.6	85.9	90.7	92.6	94.8	96.3	96.7	97.1	97.8	97.8	97.8	97.8	97.8	97.8	98.1
≥ 0	20.3	70.7	79.6	85.9	90.7	92.6	94.8	96.3	96.7	97.1	97.8	97.8	97.8	97.8	97.8	97.8	98.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096
STATION

MCGUIRE AFB NJ

STATION NAME

73-82

YEARS

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-7500
FOOT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	12.9	42.3	46.7	49.2	51.6	52.6	54.0	54.4	54.7	54.9	55.1	55.2	55.3	55.4	55.6	55.9
≥ 20000	13.4	44.9	49.6	53.1	55.7	56.7	58.1	58.8	59.0	59.2	59.4	59.8	59.9	60.0	60.1	60.4
≥ 18000	13.4	44.9	49.6	53.1	55.7	56.7	58.1	58.8	59.0	59.2	59.4	59.8	59.9	60.0	60.1	60.4
≥ 16000	13.4	44.9	49.6	53.1	55.7	56.7	58.1	58.8	59.0	59.2	59.4	59.8	59.9	60.0	60.1	60.4
≥ 14000	13.6	45.0	49.7	53.2	55.8	56.8	58.2	58.9	59.1	59.3	59.6	59.9	60.0	60.1	60.2	60.6
≥ 12000	13.7	45.2	50.0	53.6	56.1	57.1	58.6	59.2	59.4	59.7	59.9	60.2	60.3	60.4	60.7	61.2
≥ 10000	13.9	47.8	52.8	56.7	59.4	60.4	61.9	62.6	62.8	63.0	63.2	63.6	63.7	63.8	64.0	64.6
≥ 9000	14.2	43.2	53.2	57.1	59.9	60.9	62.3	63.0	63.2	63.4	63.7	64.0	64.1	64.2	64.4	65.0
≥ 8000	15.4	51.1	57.0	60.9	63.7	64.7	66.1	66.8	67.0	67.2	67.4	67.8	67.9	68.0	68.2	68.8
≥ 7000	15.4	51.9	57.8	61.7	64.4	65.4	66.9	67.6	67.8	68.0	68.2	68.6	68.7	68.8	69.0	69.6
≥ 6000	15.4	52.0	57.9	61.8	64.6	65.6	67.0	67.7	67.9	68.1	68.3	68.7	68.8	68.9	69.1	69.7
≥ 5000	15.7	53.7	59.6	63.6	66.3	67.3	68.8	69.4	69.7	69.9	70.1	70.4	70.6	70.7	70.9	71.4
≥ 4500	15.9	54.9	61.0	65.2	68.0	69.0	70.4	71.1	71.3	71.6	71.8	72.1	72.2	72.3	72.6	73.1
≥ 4000	15.8	55.7	62.1	66.3	69.1	70.1	71.6	72.2	72.4	72.7	72.9	73.2	73.3	73.4	73.7	74.2
≥ 3500	16.1	58.1	64.7	69.0	71.8	72.8	74.2	75.0	75.2	75.6	75.8	76.1	76.2	76.3	76.6	77.1
≥ 3000	16.7	59.6	66.1	70.4	73.2	74.3	75.8	76.6	76.8	77.2	77.4	77.8	77.9	78.0	78.2	78.8
≥ 2500	16.9	60.3	67.1	71.8	74.6	75.7	77.1	77.9	78.1	78.6	78.8	79.1	79.2	79.3	79.6	80.1
≥ 2000	16.7	61.0	67.8	72.9	75.7	76.6	78.2	79.0	79.2	79.7	79.9	80.2	80.3	80.4	80.7	81.2
≥ 1800	16.9	61.3	68.2	73.3	76.1	77.2	78.7	79.4	79.7	80.1	80.3	80.7	80.8	80.9	81.1	81.7
≥ 1500	17.1	62.6	69.6	74.8	77.8	78.9	80.3	81.2	81.6	82.0	82.2	82.6	82.7	82.8	83.0	83.6
≥ 1200	17.1	63.0	70.4	75.7	78.9	80.0	81.4	82.3	82.7	83.1	83.3	83.7	83.8	83.9	84.1	84.7
≥ 1000	17.2	63.2	71.0	76.3	79.8	80.9	82.3	83.3	83.7	84.1	84.3	84.7	84.8	84.9	85.1	85.7
≥ 900	17.3	63.3	71.3	76.8	80.3	81.6	83.0	84.0	84.3	84.8	85.0	85.3	85.4	85.6	85.8	86.3
≥ 800	17.3	63.7	71.7	77.3	81.0	82.2	83.9	85.0	85.3	85.9	86.1	86.4	86.6	86.7	86.9	87.4
≥ 700	17.3	64.0	72.1	77.8	81.9	83.1	84.8	86.0	86.3	86.9	87.1	87.4	87.6	87.7	87.9	88.4
≥ 600	17.3	64.0	72.6	78.3	82.6	83.9	85.6	86.8	87.1	87.7	87.9	88.2	88.3	88.4	88.7	89.2
≥ 500	17.3	64.1	72.9	79.3	84.3	85.9	87.7	88.9	89.2	89.8	90.0	90.3	90.6	90.7	90.9	91.4
≥ 400	17.3	64.1	73.0	79.8	85.4	87.2	89.2	90.4	90.8	91.3	91.7	92.0	92.3	92.4	92.7	93.2
≥ 300	17.3	64.1	73.0	79.9	85.6	87.4	89.7	91.1	91.6	92.3	92.8	93.1	93.9	94.1	94.3	94.9
≥ 200	17.3	64.1	73.1	80.0	85.7	87.7	90.0	92.2	92.8	94.1	94.8	95.1	96.2	96.4	96.8	97.9
≥ 100	17.3	64.1	73.1	80.0	85.7	87.7	90.0	92.3	92.9	94.3	95.0	95.4	96.8	97.2	97.7	99.8
≥ 0	17.3	64.1	73.1	80.0	85.7	87.7	90.0	92.3	92.9	94.3	95.0	95.4	96.8	97.2	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796

MCGUIRE AFB NJ

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	9.9	33.1	35.9	38.9	41.4	42.3	44.2	45.3	45.3	46.3	47.3	47.3	47.7	47.7	47.9	48.1
≥ 20000	10.3	36.8	37.8	43.4	46.7	47.8	49.9	51.4	51.6	53.0	54.1	54.1	54.4	54.4	54.9	55.2
≥ 18000	10.9	37.3	40.0	43.7	46.9	48.0	50.1	51.7	51.8	53.2	54.3	54.3	54.7	54.7	55.1	55.4
≥ 16000	10.9	37.0	40.0	43.7	46.9	48.0	50.1	51.7	51.8	53.2	54.3	54.3	54.7	54.7	55.1	55.4
≥ 14000	11.0	37.1	40.1	43.8	47.0	48.1	50.2	51.8	51.9	53.3	54.4	54.4	54.8	54.8	55.2	55.6
≥ 12000	11.6	37.9	41.1	44.8	48.1	49.2	51.3	52.9	53.0	54.4	55.6	55.6	55.9	55.9	56.3	56.7
≥ 10000	11.9	39.6	43.0	46.7	50.0	51.6	53.7	55.2	55.3	56.8	57.9	57.9	58.2	58.2	58.8	59.1
≥ 9000	12.2	40.0	43.4	47.1	50.4	52.0	54.1	55.7	55.8	57.2	58.3	58.3	58.7	58.7	59.2	59.6
≥ 8000	13.1	42.9	46.7	50.8	54.1	56.1	58.2	59.8	59.9	61.3	62.4	62.4	62.9	62.9	63.4	63.8
≥ 7000	13.2	43.9	47.9	52.4	56.0	58.1	60.4	62.0	62.1	63.6	64.8	64.8	65.3	65.3	65.9	66.2
≥ 6000	13.6	44.9	48.9	53.4	57.0	59.1	61.4	63.1	63.2	64.7	65.9	65.9	66.4	66.4	67.0	67.3
≥ 5000	13.7	47.3	51.4	56.0	59.6	61.7	64.1	65.8	65.9	67.3	68.6	68.6	69.1	69.1	69.7	70.0
≥ 4500	13.7	48.7	52.9	57.7	61.3	63.6	66.0	67.7	67.8	69.2	70.4	70.4	71.0	71.0	71.6	71.9
≥ 4000	14.2	49.9	54.1	59.3	63.1	65.7	68.3	70.0	70.1	71.6	72.8	72.8	73.3	73.3	73.9	74.2
≥ 3500	14.1	51.1	55.6	61.0	64.8	67.3	70.1	71.8	71.9	73.4	74.7	74.7	75.2	75.2	75.8	76.1
≥ 3000	14.4	52.7	57.2	62.7	66.7	69.2	72.0	73.7	73.8	75.6	76.8	76.8	77.3	77.3	77.9	78.2
≥ 2500	14.4	53.2	59.3	63.9	68.0	70.6	73.4	75.1	75.2	77.0	78.2	78.2	78.8	78.8	79.3	79.7
≥ 2000	14.6	54.0	59.2	64.9	69.2	71.8	74.7	76.6	76.7	78.4	79.7	79.7	80.2	80.2	80.8	81.1
≥ 1800	14.7	54.4	59.7	65.3	69.9	72.4	75.3	77.2	77.3	79.1	80.3	80.3	80.9	80.9	81.4	81.8
≥ 1500	14.8	55.8	61.0	66.7	71.3	73.9	76.9	78.8	78.9	80.7	81.9	81.9	82.4	82.4	83.0	83.3
≥ 1200	14.9	56.9	62.3	68.0	72.7	75.3	78.3	80.2	80.3	82.1	83.3	83.3	83.9	83.9	84.4	84.8
≥ 1000	14.9	57.4	63.0	68.7	73.7	76.6	79.8	81.8	81.9	83.9	85.2	85.2	85.8	85.8	86.3	86.7
≥ 900	14.9	57.4	63.0	68.9	74.0	76.9	80.3	82.4	82.6	84.6	85.9	85.9	86.4	86.4	87.0	87.3
≥ 800	14.9	57.7	63.7	69.7	75.1	78.2	81.7	83.9	84.0	86.1	87.4	87.4	88.1	88.1	88.7	89.0
≥ 700	14.9	57.8	64.1	70.2	75.9	79.2	82.7	84.9	85.0	87.1	88.4	88.4	89.1	89.1	89.7	90.0
≥ 600	14.9	58.0	64.4	70.8	77.1	80.7	84.4	86.8	86.9	89.0	90.3	90.3	91.0	91.0	91.6	91.9
≥ 500	14.9	58.1	64.6	71.2	79.1	81.9	85.9	88.3	88.4	90.6	92.0	92.0	92.7	92.7	93.2	93.6
≥ 400	14.9	58.2	64.7	71.4	78.7	82.8	87.2	89.9	90.0	92.2	93.7	93.7	94.4	94.4	95.0	95.4
≥ 300	14.9	58.2	64.8	71.6	78.8	82.9	87.8	90.7	91.0	93.4	95.4	95.4	96.4	96.4	97.1	97.7
≥ 200	14.9	58.2	64.8	71.6	78.8	82.9	88.0	90.9	91.3	93.8	95.9	95.9	97.0	97.0	97.7	98.8
≥ 100	14.9	58.2	64.8	71.6	78.8	82.9	88.0	90.9	91.3	93.8	96.0	96.0	97.4	97.4	98.1	99.8
≥ 0	14.9	58.2	64.8	71.6	78.8	82.9	88.0	90.9	91.3	93.8	96.0	96.0	97.4	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100
TIME PERIOD

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	13.9	40.9	43.9	46.7	48.3	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	15.4	46.4	51.1	53.2	55.0	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	15.4	46.4	51.1	53.3	55.1	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	15.4	46.4	51.2	53.4	55.2	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 14000	15.4	46.7	51.4	53.7	55.4	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 12000	15.3	47.7	51.6	54.8	56.8	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	15.6	50.3	54.3	57.7	59.8	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	16.9	50.8	54.9	58.2	60.3	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	17.7	54.4	59.0	62.8	65.0	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	18.2	55.6	60.1	64.1	66.4	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 6000	18.2	55.9	60.4	64.4	66.8	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	19.4	57.0	61.6	65.6	68.0	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 4500	19.6	58.0	62.3	66.6	69.0	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	19.1	60.3	65.3	69.3	71.9	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	19.6	63.0	68.0	72.2	75.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3000	20.0	66.0	71.2	75.7	79.0	80.2	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	20.4	68.0	73.6	78.4	82.2	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	20.4	69.6	74.1	79.0	82.9	84.2	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	20.7	70.2	76.1	81.1	85.1	86.6	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1600	21.2	71.6	77.4	82.8	86.9	88.3	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1400	21.2	72.8	79.3	84.8	89.2	90.9	91.7	91.9	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	21.2	73.1	79.9	85.4	89.9	91.6	92.7	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	21.2	73.7	80.6	86.1	90.6	92.2	93.3	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 900	21.2	74.4	81.4	87.1	92.3	94.1	95.2	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 800	21.2	74.8	81.8	87.7	93.1	94.9	96.1	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	21.2	75.1	82.2	88.2	94.1	96.2	97.9	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	21.2	75.1	82.2	88.2	94.3	96.4	98.2	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	21.2	75.1	82.2	88.2	94.4	96.6	98.3	98.9	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 400	21.2	75.1	82.2	88.2	94.4	96.6	98.3	98.9	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 300	21.2	75.1	82.2	88.2	94.4	96.6	98.3	98.9	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 200	21.2	75.1	82.2	88.2	94.4	96.6	98.3	98.9	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	21.2	75.1	82.2	88.2	94.4	96.6	98.3	98.9	99.2	99.7	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7-4-96

MCGUIRE AFB TX

73-82

268

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING	15.3	42.7	45.4	48.0	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	12.1	50.3	53.6	56.2	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	18.1	51.3	53.6	56.2	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 16000	13.1	52.6	53.3	56.4	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	19.3	50.8	54.0	56.7	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	18.7	51.6	55.1	57.8	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	19.7	54.8	58.7	61.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 9000	20.0	55.2	59.2	61.4	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	20.8	59.0	63.4	66.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	21.2	59.9	64.6	67.2	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	21.2	60.0	64.7	67.3	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	21.3	61.0	65.3	68.4	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4500	21.7	61.6	66.3	69.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4000	22.2	64.4	69.8	72.8	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3500	23.0	67.6	73.0	76.0	77.4	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 3000	24.2	72.1	78.3	81.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 2500	24.5	74.6	81.1	84.8	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	25.1	76.2	82.9	86.7	89.1	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	25.4	76.7	83.4	87.4	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1600	25.8	78.8	85.6	89.8	92.4	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1400	25.3	79.4	86.4	90.7	93.7	94.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200	26.1	82.3	87.4	91.8	95.2	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	26.1	80.3	87.6	91.9	95.3	95.9	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	26.1	80.7	87.9	92.6	96.1	96.6	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	26.1	80.8	88.7	92.7	96.3	97.1	97.9	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	26.1	81.0	89.1	92.8	96.6	97.3	98.1	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	26.2	81.0	89.2	92.9	97.0	97.8	99.0	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	26.2	81.0	89.2	92.9	97.0	97.8	99.0	99.3	99.3	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	26.2	81.0	89.2	92.9	97.0	97.8	99.0	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	26.2	81.0	89.2	92.9	97.0	97.8	99.0	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	26.2	81.0	89.2	92.9	97.0	97.8	99.0	99.4	99.4	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77496 MCGUIRE AFB NJ

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1522-1722

CEILING FEET		VISIBILITY - STATUTE MILES															
		210	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
25000	17.1	42.9	46.4	48.1	47.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
24000	19.8	50.4	54.2	56.9	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
23000	19.8	50.4	54.2	56.9	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
22000	19.3	50.7	54.4	57.1	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
21000	20.1	51.4	55.2	57.9	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
20000	20.2	51.6	55.3	58.0	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
19000	21.5	55.4	60.7	62.8	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
18000	21.9	56.1	60.7	63.6	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
17000	22.9	61.0	66.0	69.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
16000	23.3	62.2	67.3	70.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
15000	23.9	62.8	67.9	70.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
14000	24.2	64.0	69.1	72.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
13000	24.7	65.3	71.4	73.4	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
12000	25.3	67.6	72.8	76.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
11000	25.6	69.9	75.6	78.9	80.2	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
10000	26.4	73.4	79.2	82.9	84.7	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
9000	27.6	76.3	82.1	86.0	87.8	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
8000	23.8	78.8	84.8	88.7	90.8	91.0	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
7000	28.9	79.3	85.6	89.4	91.6	91.8	92.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
6000	25.9	80.3	87.0	90.9	93.2	93.4	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
5000	27.0	81.1	88.0	92.1	94.7	94.9	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
4000	27.1	81.2	88.1	92.2	94.8	95.0	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
3000	29.1	81.2	88.1	92.2	94.8	95.0	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
2000	29.1	81.2	88.1	92.2	94.9	95.1	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
1000	29.1	81.3	88.7	93.0	95.7	96.1	97.0	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
500	29.1	81.3	87.7	93.3	96.1	96.9	97.9	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
300	29.1	81.4	89.2	93.7	96.4	97.2	98.8	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
200	29.1	81.4	89.3	93.8	96.7	97.4	99.0	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	29.1	81.4	89.3	93.8	96.7	97.4	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
50	29.1	81.4	89.3	93.8	96.7	97.4	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	29.1	81.4	89.3	93.8	96.7	97.4	99.2	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1950-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
≥20000	16.9	46.8	50.9	53.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥8000	19.3	53.0	57.9	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥6000	19.3	53.0	57.9	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥4000	19.7	53.7	58.7	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥3000	19.8	54.0	59.2	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥2000	20.9	58.6	63.9	67.3	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥1800	20.9	58.8	64.1	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥1600	21.8	61.7	67.1	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥1400	21.3	61.8	67.2	71.1	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥1200	21.9	62.0	67.4	71.3	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥1000	22.2	63.3	69.0	72.9	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥800	22.7	64.9	71.4	75.3	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥600	22.9	66.3	73.0	77.2	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥400	22.9	68.2	74.9	79.2	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥200	23.5	71.1	78.7	83.4	84.9	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥100	24.3	73.4	81.3	85.8	87.3	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥50	25.2	74.7	82.6	87.3	88.9	89.2	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥25	25.4	74.9	82.9	87.7	89.2	89.6	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥12.5	25.7	75.8	84.0	88.9	90.7	91.3	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥6.25	25.7	75.8	84.6	89.6	91.3	92.0	92.7	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥3.125	25.7	75.8	84.7	89.7	91.7	92.3	93.1	93.2	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥1.5625	25.7	76.2	85.4	90.4	92.6	93.2	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥0.78125	25.7	76.2	85.6	90.6	92.8	93.6	94.4	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥0.390625	25.7	76.4	85.9	91.1	93.6	94.3	95.4	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥0.1953125	25.7	76.6	86.2	91.4	94.2	95.0	96.4	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥0.09765625	25.7	76.6	86.2	91.8	94.7	95.6	97.8	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥0.048828125	25.7	76.7	86.3	92.0	95.0	95.9	98.3	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥0.0244140625	25.7	76.7	86.3	92.0	95.0	95.9	98.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0.01220703125	25.7	76.7	86.3	92.0	95.0	95.9	98.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0.006103515625	25.7	76.7	86.3	92.0	95.0	95.9	98.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MC GUIRE AFB NJ

STATION NAME

73-82

YEAR

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO. CEILING	16.9	47.2	51.9	53.6	54.4	54.4	55.1	55.3	55.4	55.6	55.6	55.6	55.7	55.7	55.8	55.8
≥ 20000	13.3	52.2	58.2	60.6	61.4	61.4	62.1	62.3	62.4	62.6	62.6	62.6	62.7	62.7	62.8	62.8
≥ 18000	18.3	52.2	58.2	60.7	61.6	61.6	62.2	62.4	62.6	62.7	62.7	62.7	62.8	62.8	62.9	62.9
≥ 16000	18.3	52.2	58.2	60.7	61.6	61.6	62.2	62.4	62.6	62.7	62.7	62.7	62.8	62.8	62.9	62.9
≥ 14000	19.3	52.4	58.6	61.0	61.9	61.9	62.6	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.2	63.2
≥ 12000	13.7	53.2	59.3	61.8	62.7	62.7	63.3	63.6	63.7	63.8	63.8	63.8	63.9	63.9	64.0	64.0
≥ 10000	19.7	58.8	65.8	68.2	69.1	69.1	69.8	70.0	70.1	70.2	70.2	70.2	70.3	70.3	70.4	70.4
≥ 9000	19.3	59.0	66.0	68.4	69.3	69.3	70.0	70.2	70.3	70.4	70.4	70.4	70.6	70.6	70.7	70.7
≥ 8000	20.8	61.4	68.7	71.8	72.8	72.8	73.4	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.1	74.1
≥ 7000	20.8	61.6	68.9	72.0	73.0	73.0	73.7	73.9	74.0	74.1	74.1	74.1	74.2	74.2	74.3	74.3
≥ 6000	21.0	62.0	69.4	72.6	73.6	73.6	74.2	74.4	74.6	74.7	74.7	74.7	74.8	74.8	74.9	74.9
≥ 5000	21.3	63.6	71.0	74.1	75.1	75.2	75.9	76.1	76.2	76.3	76.3	76.3	76.4	76.4	76.6	76.6
≥ 4500	22.1	65.7	73.2	76.3	77.4	77.6	78.3	77.6	78.7	78.8	78.8	78.8	78.9	78.9	79.0	79.0
≥ 4000	22.1	66.4	74.3	77.4	78.8	79.0	79.8	80.0	80.1	80.2	80.2	80.2	80.3	80.3	80.4	80.4
≥ 3500	22.1	67.0	75.1	78.2	79.7	80.0	80.8	81.0	81.1	81.2	81.2	81.2	81.3	81.3	81.4	81.4
≥ 3000	22.6	68.9	77.7	81.1	82.7	83.1	83.9	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.6	84.6
≥ 2500	23.3	71.0	79.9	83.3	85.1	85.7	86.4	86.8	86.9	87.0	87.0	87.0	87.1	87.1	87.2	87.2
≥ 2000	23.4	71.8	80.7	84.2	86.3	86.9	87.7	88.0	88.1	88.2	88.2	88.2	88.3	88.3	88.4	88.4
≥ 1800	23.4	71.8	80.7	84.2	86.3	87.1	87.9	88.2	88.3	88.4	88.4	88.4	88.6	88.6	88.7	88.7
≥ 1500	23.7	72.3	81.3	85.0	87.4	88.2	89.0	89.3	89.4	89.7	89.7	89.7	89.8	89.8	89.9	89.9
≥ 1200	23.7	72.6	81.7	85.4	87.9	88.8	89.6	89.9	90.0	90.2	90.2	90.2	90.3	90.3	90.4	90.4
≥ 1000	23.7	72.8	82.0	86.0	88.6	89.4	90.2	90.8	90.9	91.1	91.1	91.1	91.2	91.2	91.3	91.3
≥ 900	23.7	72.9	82.2	86.3	88.9	89.8	90.6	91.1	91.2	91.4	91.4	91.4	91.6	91.6	91.7	91.7
≥ 800	23.7	73.0	82.4	86.7	89.3	90.2	91.0	91.7	91.8	92.0	92.0	92.0	92.1	92.1	92.2	92.2
≥ 700	23.7	73.0	82.7	87.1	90.0	90.9	91.7	92.4	92.6	92.8	92.8	92.8	92.9	92.9	93.0	93.0
≥ 600	23.7	73.0	82.9	87.7	90.6	91.7	92.6	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.1	94.1
≥ 500	23.7	73.1	83.1	88.0	91.3	92.9	94.0	95.4	95.6	95.8	95.8	95.8	95.9	95.9	96.0	96.0
≥ 400	23.7	73.1	83.3	88.3	91.8	93.4	94.7	96.6	96.8	97.0	97.0	97.0	97.1	97.1	97.2	97.2
≥ 300	23.7	73.3	83.7	88.9	92.6	94.2	95.7	97.6	98.1	98.3	98.3	98.3	98.4	98.4	98.7	98.7
≥ 200	23.7	73.3	83.7	88.9	92.7	94.6	96.1	98.6	99.1	99.3	99.4	99.4	99.6	99.6	99.8	99.8
≥ 100	23.7	73.3	83.7	88.9	92.7	94.6	96.1	98.6	99.1	99.3	99.4	99.4	99.6	99.6	99.8	99.8
≥ 0	23.7	73.3	83.7	88.9	92.7	94.6	96.1	98.6	99.1	99.3	99.4	99.4	99.6	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724.96

MCGUIRE AFB NJ

73-82

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.01	≥0
NO CEILING	14.3	42.9	46.5	48.9	50.4	50.8	51.4	51.7	51.7	51.9	52.1	52.1	52.2	52.2	52.2	52.3
≥ 20000	16.4	48.0	52.4	55.3	56.9	57.4	58.0	58.3	58.4	58.7	58.8	58.9	59.0	59.0	59.1	59.2
≥ 18000	16.4	48.1	52.4	55.4	57.0	57.4	58.1	58.4	58.5	58.7	58.9	58.9	59.0	59.0	59.1	59.2
≥ 16000	16.4	48.1	52.5	55.5	57.1	57.5	58.1	58.5	58.6	58.8	59.0	59.0	59.1	59.1	59.2	59.3
≥ 14000	16.6	48.4	52.8	55.8	57.4	57.8	58.5	58.8	58.9	59.1	59.3	59.3	59.4	59.4	59.5	59.6
≥ 12000	16.9	49.0	53.5	56.5	58.2	58.6	59.3	59.6	59.7	59.9	60.1	60.1	60.2	60.2	60.3	60.4
≥ 10000	17.7	52.5	57.3	60.5	62.2	62.8	63.4	63.7	63.8	64.1	64.2	64.3	64.3	64.3	64.5	64.5
≥ 9000	17.9	52.8	57.7	60.9	62.6	63.2	63.8	64.1	64.2	64.5	64.6	64.7	64.7	64.8	64.9	65.0
≥ 8000	18.9	56.2	61.5	65.0	66.8	67.4	68.0	68.4	68.4	68.7	68.9	68.9	69.0	69.0	69.1	69.3
≥ 7000	19.2	56.9	62.3	65.9	67.7	68.4	69.0	69.4	69.4	69.7	69.9	69.9	70.0	70.0	70.2	70.3
≥ 6000	19.3	57.3	62.7	66.3	68.1	68.8	69.4	69.8	69.8	70.1	70.3	70.3	70.4	70.4	70.6	70.7
≥ 5000	19.6	58.7	64.2	67.8	69.7	70.3	71.0	71.3	71.4	71.7	71.9	71.9	72.0	72.0	72.1	72.3
≥ 4500	19.9	60.0	65.7	69.4	71.3	72.0	72.7	73.0	73.1	73.4	73.6	73.6	73.7	73.7	73.9	73.9
≥ 4000	20.1	61.6	67.5	71.4	73.4	74.1	74.8	75.2	75.3	75.5	75.7	75.8	75.8	75.9	76.0	76.1
≥ 3500	20.4	63.6	69.7	73.6	75.8	76.6	77.3	77.7	77.8	78.1	78.3	78.3	78.4	78.4	78.5	78.6
≥ 3000	21.1	66.2	72.7	76.8	79.3	80.2	81.0	81.4	81.4	81.8	82.0	82.0	82.1	82.1	82.2	82.3
≥ 2500	21.5	67.9	74.5	78.8	81.4	82.3	83.2	83.6	83.7	84.0	84.2	84.2	84.3	84.3	84.4	84.6
≥ 2000	21.8	69.1	75.9	80.4	83.2	84.1	85.0	85.5	85.6	85.9	86.1	86.2	86.3	86.3	86.4	86.5
≥ 1800	21.9	69.4	76.3	80.8	83.7	84.6	85.6	86.0	86.1	86.5	86.6	86.7	86.8	86.8	86.9	87.0
≥ 1500	22.1	70.6	77.7	82.3	85.3	86.4	87.3	87.8	87.9	88.3	88.5	88.5	88.6	88.7	88.8	88.9
≥ 1200	22.2	71.2	78.6	83.2	86.4	87.4	88.5	89.0	89.1	89.4	89.6	89.7	89.8	89.8	89.9	90.0
≥ 1000	22.3	71.7	79.2	83.9	87.3	88.5	89.6	90.1	90.3	90.7	90.9	90.9	91.0	91.0	91.1	91.3
≥ 900	22.3	71.8	79.5	84.3	87.7	88.9	90.1	90.7	90.8	91.3	91.5	91.5	91.6	91.6	91.7	91.9
≥ 800	22.3	72.1	79.8	84.8	88.3	89.6	90.8	91.5	91.6	92.1	92.3	92.3	92.4	92.4	92.5	92.7
≥ 700	22.3	72.3	80.2	85.3	89.1	90.4	91.7	92.5	92.6	93.1	93.3	93.3	93.4	93.4	93.6	93.7
≥ 600	22.3	72.4	80.5	85.7	89.7	91.2	92.6	93.5	93.6	94.1	94.3	94.3	94.4	94.5	94.6	94.7
≥ 500	22.3	72.5	80.7	86.3	90.7	92.3	94.1	95.1	95.3	95.8	96.0	96.1	96.2	96.2	96.3	96.5
≥ 400	22.3	72.5	80.8	86.5	91.2	92.9	94.9	96.0	96.2	96.8	97.0	97.0	97.2	97.2	97.3	97.5
≥ 300	22.3	72.6	80.9	86.6	91.3	93.1	95.3	96.6	96.8	97.5	97.8	97.9	98.2	98.2	98.3	98.5
≥ 200	22.3	72.6	80.9	86.7	91.4	93.2	95.5	97.0	97.3	98.0	98.5	98.6	99.0	99.1	99.3	99.4
≥ 100	22.3	72.6	80.9	86.7	91.4	93.2	95.5	97.0	97.3	98.0	98.5	98.6	99.0	99.1	99.3	99.9
≥ 0	22.3	72.6	80.9	86.7	91.4	93.2	95.5	97.0	97.3	98.0	98.5	98.6	99.0	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
SAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	21.7	52.6	54.0	55.8	56.8	57.1	57.5	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.2
≥ 20000	21.9	55.5	57.2	58.9	60.0	60.2	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.5
≥ 18000	21.9	55.5	57.2	58.9	60.0	60.2	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.5
≥ 16000	21.9	55.5	57.2	58.9	60.0	60.2	60.6	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.5
≥ 14000	22.0	55.8	57.5	59.2	60.3	60.5	60.9	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.8
≥ 12000	22.3	57.4	59.1	60.8	61.9	62.1	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.4
≥ 10000	23.9	61.0	62.8	64.7	65.8	66.0	66.4	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.3
≥ 9000	24.3	61.8	63.5	65.4	66.5	66.7	67.2	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	68.0
≥ 8000	25.2	65.0	67.0	68.9	70.1	70.4	70.8	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.8
≥ 7000	25.3	65.3	67.3	69.2	70.4	70.7	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	72.1
≥ 6000	26.0	66.3	68.2	70.2	71.4	71.7	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	73.2
≥ 5000	26.6	68.2	70.3	72.2	73.4	73.8	74.4	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.3
≥ 4500	26.9	70.4	72.4	74.7	76.2	76.6	77.2	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.1
≥ 4000	27.2	72.2	74.4	76.7	78.3	78.7	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.2
≥ 3500	27.8	74.1	76.3	78.9	80.5	80.9	81.5	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.5
≥ 3000	27.9	75.1	77.8	80.6	82.5	82.9	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.4
≥ 2500	28.1	76.0	78.9	81.7	83.5	84.0	84.5	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.5
≥ 2000	28.3	77.1	80.1	82.9	84.7	85.1	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.9
≥ 1800	28.3	77.1	80.1	82.9	84.7	85.1	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.9
≥ 1500	28.4	77.7	81.1	84.0	86.2	86.7	87.2	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.4
≥ 1200	28.4	78.5	81.8	84.8	87.2	87.6	88.2	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.3
≥ 1000	28.5	78.9	82.6	85.6	87.9	88.5	89.0	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.2
≥ 900	28.5	79.1	83.2	86.2	88.6	89.1	89.7	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.9
≥ 800	28.7	79.7	83.7	87.0	89.5	90.0	90.5	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.7
≥ 700	28.7	79.8	84.1	87.6	90.3	90.9	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.6
≥ 600	28.7	79.8	84.4	88.4	91.2	91.8	92.4	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.5
≥ 500	28.7	80.0	84.8	88.8	92.6	93.4	94.1	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.5
≥ 400	28.7	80.2	85.7	89.1	93.1	94.0	94.9	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.6
≥ 300	28.7	80.2	85.0	89.1	93.2	94.3	95.4	96.3	96.4	96.7	96.7	96.7	96.7	96.7	96.7	97.4
≥ 200	28.7	80.2	85.0	89.1	93.2	94.4	95.5	96.4	96.6	97.1	97.2	97.2	97.2	97.2	97.2	98.5
≥ 100	28.7	80.2	85.0	89.1	93.2	94.4	95.5	96.4	96.6	97.1	97.2	97.2	97.2	97.2	97.2	98.5
≥ 0	28.7	80.2	85.0	89.1	93.2	94.4	95.5	96.4	96.6	97.1	97.2	97.2	97.2	97.2	97.2	98.5

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096 MCGUIRE AFB NJ

73-82

007

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.5	43.0	50.6	51.8	53.1	53.8	54.5	54.7	54.7	54.8	55.2	55.2	55.3	55.3	55.7	55.8	
≥ 20000	19.8	50.5	53.2	54.6	56.0	56.7	57.4	57.6	57.6	57.7	58.1	58.1	58.2	58.2	58.6	58.8	
≥ 18000	19.8	50.5	53.2	54.6	56.0	56.7	57.4	57.6	57.6	57.7	58.1	58.1	58.2	58.2	58.6	58.8	
≥ 16000	19.8	50.5	53.2	54.6	56.0	56.7	57.4	57.6	57.6	57.7	58.1	58.1	58.2	58.2	58.6	58.8	
≥ 14000	19.8	50.5	53.2	54.6	56.0	56.7	57.4	57.6	57.6	57.7	58.1	58.1	58.2	58.2	58.6	58.8	
≥ 12000	20.2	51.6	54.3	55.8	57.2	57.8	58.6	58.8	58.8	58.9	59.2	59.2	59.4	59.4	59.9	60.1	
≥ 10000	21.5	55.2	59.1	59.7	61.2	61.8	62.6	62.8	62.8	62.9	63.2	63.2	63.3	63.3	63.8	64.0	
≥ 9000	21.9	55.9	58.8	60.4	61.9	62.6	63.3	63.5	63.5	63.7	64.0	64.0	64.1	64.1	64.5	64.7	
≥ 8000	23.0	59.5	62.6	64.2	66.2	66.9	67.8	68.2	68.2	68.3	68.6	68.6	68.7	68.7	69.1	69.4	
≥ 7000	23.2	60.3	63.4	65.1	67.1	67.7	68.7	69.0	69.1	69.2	69.6	69.6	69.7	69.7	70.1	70.3	
≥ 6000	24.3	61.1	64.2	65.9	68.1	68.7	69.7	70.0	70.1	70.2	70.5	70.5	70.6	70.6	71.1	71.3	
≥ 5000	24.2	63.7	67.1	68.8	71.1	71.7	72.7	73.0	73.1	73.2	73.5	73.5	73.7	73.7	74.1	74.3	
≥ 4500	24.5	65.5	68.9	70.6	73.0	73.8	74.7	75.2	75.3	75.4	75.7	75.7	75.8	75.8	76.2	76.5	
≥ 4000	24.7	67.8	71.6	73.3	75.9	76.7	77.6	78.1	78.2	78.3	78.6	78.6	78.7	78.7	79.1	79.4	
≥ 3500	24.8	68.9	72.7	74.7	77.3	78.1	79.0	79.5	79.6	79.7	80.0	80.0	80.1	80.1	80.5	80.8	
≥ 3000	25.3	70.0	74.5	76.8	79.5	80.4	81.5	81.9	82.0	82.2	82.5	82.5	82.6	82.6	83.0	83.2	
≥ 2500	25.7	71.1	75.7	78.0	80.6	81.6	82.7	83.1	83.2	83.3	83.7	83.7	83.8	83.8	84.2	84.4	
≥ 2000	25.3	71.9	76.6	78.8	81.5	82.5	83.7	84.1	84.2	84.3	84.6	84.6	84.7	84.7	85.2	85.4	
≥ 1800	25.3	71.9	76.6	78.8	81.5	82.5	83.7	84.1	84.2	84.3	84.6	84.6	84.7	84.7	85.2	85.4	
≥ 1500	25.7	72.6	77.4	79.9	82.6	83.8	85.2	85.6	85.7	85.8	86.1	86.1	86.2	86.2	86.7	86.9	
≥ 1200	26.0	72.8	77.7	80.2	83.0	84.2	85.6	86.0	86.1	86.2	86.6	86.6	86.7	86.7	87.1	87.3	
≥ 1000	26.1	73.1	78.3	80.9	84.1	85.3	86.7	87.2	87.3	87.4	87.7	87.7	87.8	87.8	88.3	88.5	
≥ 900	26.2	73.7	78.9	81.5	84.7	85.9	87.3	87.8	88.0	88.1	88.4	88.4	88.5	88.5	88.9	89.1	
≥ 800	26.2	73.7	79.4	81.9	85.2	86.5	88.0	88.5	88.6	88.7	89.0	89.0	89.1	89.1	89.6	89.8	
≥ 700	26.2	73.9	79.8	82.4	85.9	87.2	88.7	89.2	89.4	89.5	89.8	89.8	89.9	89.9	90.3	90.5	
≥ 600	26.2	74.2	80.3	82.9	86.5	87.7	89.2	89.8	89.9	90.0	90.3	90.3	90.4	90.4	90.9	91.1	
≥ 500	26.3	74.3	80.5	83.4	87.5	88.9	90.8	91.7	91.9	92.0	92.4	92.4	92.5	92.5	93.0	93.2	
≥ 400	26.3	74.3	80.5	83.5	87.8	89.5	91.6	92.8	93.0	93.1	93.4	93.4	93.5	93.7	94.2	94.6	
≥ 300	26.3	74.3	80.5	83.7	88.3	89.9	92.0	93.3	93.5	93.7	94.1	94.1	94.2	94.3	94.8	95.7	
≥ 200	26.3	74.3	80.5	83.7	88.4	90.0	92.6	94.2	94.4	94.5	94.9	94.9	95.2	95.3	96.1	97.1	
≥ 100	26.3	74.3	80.5	83.7	88.4	90.0	92.6	94.2	94.4	94.5	95.1	95.1	95.5	95.6	97.0	99.2	
≥ 0	26.3	74.3	80.5	83.7	88.4	90.0	92.6	94.2	94.4	94.5	95.1	95.1	95.5	95.6	97.0	100.0	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496 MCGUIRE AFB NJ

73-82

QST

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

APP-5400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	16.3	42.0	44.6	45.9	48.9	49.9	50.8	51.3	51.7	52.2	52.2	52.2	52.6	52.7	52.7	53.0
≥20000	19.2	46.6	49.6	51.0	54.2	55.4	56.5	57.2	57.7	58.2	58.2	58.2	58.7	58.8	58.9	59.4
≥18000	19.2	46.7	49.7	51.1	54.3	55.5	56.6	57.3	57.8	58.3	58.3	58.3	58.8	58.9	59.1	59.5
≥16000	18.2	46.7	49.7	51.1	54.3	55.5	56.6	57.3	57.8	58.3	58.3	58.3	58.8	58.9	59.1	59.5
≥14000	19.2	46.7	49.7	51.1	54.3	55.5	56.6	57.3	57.8	58.3	58.3	58.3	58.8	58.9	59.1	59.5
≥12000	18.3	47.2	50.3	51.7	55.0	56.1	57.2	58.0	58.4	58.9	58.9	58.9	59.5	59.6	59.7	60.1
≥10000	19.2	50.3	53.4	55.0	58.4	59.6	60.8	61.6	62.1	62.6	62.6	62.6	63.1	63.3	63.4	63.8
≥9000	19.3	50.6	53.9	55.3	58.7	59.9	61.1	62.0	62.4	62.9	62.9	62.9	63.5	63.6	63.7	64.1
≥8000	20.0	54.5	58.1	59.7	63.4	64.5	65.9	67.0	67.6	68.3	68.4	68.4	69.0	69.1	69.2	69.6
≥7000	20.3	55.4	59.1	60.7	64.8	65.9	67.3	68.4	69.0	69.7	69.8	69.8	70.4	70.5	70.6	71.0
≥6000	21.1	56.5	60.2	61.9	65.0	67.1	68.6	69.7	70.3	71.0	71.1	71.1	71.7	71.8	71.9	72.3
≥5000	21.4	58.1	62.2	63.8	68.3	69.7	71.2	72.3	72.8	73.6	73.7	73.7	74.2	74.4	74.5	74.9
≥4000	22.0	59.6	63.8	65.5	70.3	71.8	73.4	74.7	75.2	76.1	76.2	76.2	76.7	76.8	76.9	77.4
≥3000	22.2	60.9	65.3	67.6	72.4	73.9	75.6	77.0	77.6	78.4	78.6	78.6	79.1	79.2	79.3	79.7
≥2500	22.7	62.3	67.1	69.5	74.5	76.2	78.0	79.4	80.0	80.8	80.9	80.9	81.5	81.6	81.7	82.1
≥2000	22.3	62.8	67.8	70.2	75.1	76.8	78.7	80.1	80.7	81.7	81.8	81.8	82.3	82.4	82.5	83.0
≥1500	23.2	63.7	68.9	71.2	76.3	78.1	80.0	81.4	82.0	83.0	83.1	83.1	83.6	83.7	83.9	84.4
≥1000	23.2	65.0	70.2	72.5	77.7	79.5	81.4	83.0	83.6	84.6	84.7	84.7	85.2	85.3	85.6	86.0
≥800	23.2	65.1	70.3	72.6	77.8	79.6	81.5	83.1	83.7	84.7	84.8	84.8	85.3	85.5	85.7	86.1
≥700	23.3	65.6	70.9	73.3	78.7	80.5	82.4	84.1	84.7	85.7	85.9	85.9	86.5	86.6	87.0	87.4
≥600	23.3	65.8	71.2	73.6	79.1	80.9	83.0	84.6	85.2	86.2	86.4	86.4	87.1	87.2	87.5	87.9
≥500	23.3	65.8	71.2	73.9	79.5	81.5	83.7	85.5	86.1	87.1	87.3	87.3	87.9	88.0	88.4	88.8
≥400	23.3	66.2	71.6	74.2	79.8	81.9	84.2	86.0	86.6	87.6	87.8	87.8	88.5	88.6	88.9	89.3
≥300	23.3	66.3	71.7	74.4	80.3	82.4	84.9	86.7	87.4	88.4	88.6	88.6	89.2	89.3	89.7	90.1
≥200	23.3	66.4	71.9	74.7	81.5	83.7	86.6	88.5	89.1	90.2	90.4	90.4	91.1	91.2	91.5	91.9
≥100	23.3	66.7	72.2	75.1	82.0	84.4	87.3	89.1	89.8	90.9	91.2	91.2	91.9	92.0	92.5	92.9
≥50	23.3	66.8	72.4	75.5	82.9	85.6	88.7	90.6	91.5	92.8	93.0	93.0	93.8	93.9	94.4	94.8
≥30	23.3	66.8	72.4	75.5	83.0	85.8	88.9	91.1	92.1	93.5	93.9	93.9	94.6	94.7	95.3	95.7
≥20	23.3	66.8	72.4	75.5	83.1	86.1	89.4	91.6	92.8	94.5	95.0	95.0	95.8	96.0	96.8	98.1
≥10	23.3	66.8	72.4	75.5	83.1	86.1	89.4	91.6	92.8	94.5	95.0	95.0	96.0	96.2	97.5	99.8
≥5	23.3	66.8	72.4	75.5	83.1	86.1	89.4	91.6	92.8	94.5	95.0	95.0	96.0	96.2	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 928

USAF ETAC FORM 10-64 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
CHAFETAC
ATTN: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724-86 MCGUIRE AFB NJ

73-82

201

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

990-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	20.0	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0
20000	21.4	48.2	51.0	53.6	54.8	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
18000	22.1	53.1	56.3	59.5	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
16000	22.3	53.4	56.7	59.8	61.2	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
14000	22.3	53.4	56.7	59.8	61.2	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
12000	22.4	53.5	56.8	59.9	61.3	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
10000	22.5	54.0	57.2	60.3	61.7	61.6	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
8000	22.3	56.1	59.4	62.5	63.9	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
6000	23.7	56.3	59.6	62.7	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
4000	23.9	59.9	63.8	67.0	68.4	68.5	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
2000	24.2	61.1	65.1	68.4	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
1000	24.4	61.5	65.6	68.9	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
800	25.3	64.2	68.6	71.9	73.3	73.4	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
600	25.3	64.9	69.9	73.5	75.4	75.5	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
400	26.2	67.8	72.9	76.6	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
200	27.1	70.8	75.8	79.5	81.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
100	27.7	73.3	79.7	82.4	84.6	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
80	28.3	74.6	80.0	83.8	86.2	86.3	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
60	29.6	75.6	81.2	85.2	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
40	29.7	75.8	81.4	85.4	87.8	88.0	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
20	28.3	76.7	82.5	86.7	89.5	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
10	28.3	77.1	82.9	87.1	90.2	90.3	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
8	28.3	77.7	83.7	88.0	91.5	91.8	92.5	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
6	28.8	77.8	83.9	88.4	91.9	92.4	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
4	28.8	77.8	84.0	88.5	92.0	92.6	93.2	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5
2	29.8	78.2	84.4	88.9	92.6	93.2	94.2	94.3	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7
1	28.8	78.3	84.5	89.1	93.2	93.9	95.1	95.2	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6
500	28.3	78.6	84.9	89.9	94.4	95.5	97.0	97.4	97.5	98.0	98.2	98.2	98.2	98.2	98.2	98.2
400	28.8	78.6	84.9	89.9	94.5	95.6	97.2	97.6	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.5
300	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.2	98.4	99.1	99.4	99.4	99.4	99.4	99.4	99.4
200	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
100	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
80	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
60	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
40	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
20	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7
10	28.8	78.6	84.9	89.9	94.6	95.8	97.6	98.3	98.6	99.4	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 10-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1220-1422
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .03	≥ .01	≥ 0
NO CEILING	22.3	48.7	50.8	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	25.4	55.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	25.4	55.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 16000	25.4	55.7	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 14000	25.4	56.1	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 12000	26.0	56.4	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 10000	27.1	58.7	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000	27.4	59.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	27.7	61.1	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 7000	28.0	61.9	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 6000	29.2	62.4	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 5000	28.7	63.8	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4500	29.1	66.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4000	29.8	70.1	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3500	30.3	75.3	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3000	31.9	81.6	84.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 2500	32.8	84.5	87.9	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2000	33.4	86.1	89.7	90.1	90.2	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	33.7	86.7	90.2	90.6	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1500	33.9	88.3	91.9	92.5	92.8	93.0	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	33.9	88.7	92.5	93.1	93.5	93.9	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1000	33.9	89.2	93.0	93.6	94.3	94.8	95.3	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	33.9	89.5	93.2	94.0	94.6	95.5	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	33.9	89.5	93.2	94.3	94.9	95.9	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	34.1	89.9	93.8	94.9	96.0	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	34.1	90.2	94.1	95.3	96.6	97.7	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	34.1	90.2	94.1	95.4	97.0	98.3	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	34.1	90.2	94.1	95.4	97.2	98.5	98.9	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	34.1	90.2	94.1	95.4	97.2	98.7	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	34.1	90.2	94.1	95.4	97.2	98.7	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	34.1	90.2	94.1	95.4	97.2	98.7	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	34.1	90.2	94.1	95.4	97.2	98.7	99.2	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724196 STATION MCGUIRE AFB NJ

73-82

261

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1540-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING	22.2	47.3	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	25.6	56.8	58.5	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 18000	25.3	56.9	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 16000	25.9	56.9	58.6	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 14000	26.2	57.4	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 12000	27.2	58.8	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 10000	27.8	61.9	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 9000	28.0	62.2	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 8000	28.7	64.4	66.8	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 7000	29.3	65.8	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 6000	29.4	66.2	68.5	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	29.6	67.8	70.2	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	30.1	70.0	72.4	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4000	31.3	75.1	77.5	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	31.9	78.8	81.7	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 3000	32.5	82.2	85.1	86.5	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2500	33.3	84.3	87.6	89.2	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2000	33.8	85.7	89.2	90.8	91.5	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	34.1	85.8	89.3	90.9	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1600	34.7	87.1	90.6	92.3	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1400	34.9	87.6	91.3	93.1	94.2	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	34.7	88.1	91.8	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	34.7	88.5	92.2	94.2	95.6	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 900	35.1	88.8	92.7	94.9	96.6	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	35.1	88.8	92.7	94.9	96.7	97.5	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	35.1	88.9	92.9	95.2	97.0	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	35.1	89.2	93.2	95.5	97.7	98.8	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	35.1	89.2	93.2	95.6	98.0	99.0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	35.1	89.2	93.2	95.6	98.1	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	35.1	89.2	93.2	95.6	98.1	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	35.1	89.2	93.2	95.6	98.1	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	35.1	89.2	93.2	95.6	98.1	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

734796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

CCI
CLASS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
DATE

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	22.3	54.8	56.4	56.9	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6
≥ 20000	24.2	62.2	64.7	65.2	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	24.2	62.2	64.7	65.2	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	24.3	62.4	64.9	65.4	66.1	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
≥ 14000	25.1	63.4	65.9	66.4	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2
≥ 12000	25.7	64.5	67.0	67.5	68.1	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2
≥ 10000	26.2	66.8	69.3	69.9	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.7	70.7
≥ 9000	26.4	67.3	69.8	70.3	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.2	71.2
≥ 8000	27.8	70.4	73.0	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.4	74.4
≥ 7000	27.9	70.5	73.1	73.6	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.5	74.5
≥ 6000	28.2	71.3	73.8	74.4	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.2
≥ 5000	28.5	72.6	75.3	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.7	76.7
≥ 4500	29.3	75.1	78.4	79.0	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0
≥ 4000	29.9	77.1	80.6	81.3	82.1	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.5	82.5
≥ 3500	30.5	79.4	83.4	84.6	85.9	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.2	86.2
≥ 3000	30.9	81.2	85.6	86.9	88.5	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.8	88.8
≥ 2500	30.9	81.7	86.1	87.6	89.3	89.6	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.8	89.8
≥ 2000	31.2	82.8	87.3	88.9	90.6	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.1	91.1
≥ 1800	31.4	83.4	87.9	89.6	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6	91.6	91.7	91.7
≥ 1500	31.5	84.5	89.1	90.9	92.6	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	93.0	93.0
≥ 1200	31.9	84.9	89.4	91.6	93.4	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	94.0	94.0
≥ 1000	31.9	85.1	90.5	92.7	94.8	95.3	95.3	95.3	95.3	95.3	95.4	95.5	95.5	95.5	95.6	95.6
≥ 900	31.3	85.1	90.6	92.8	95.0	95.5	95.5	95.5	95.5	95.5	95.6	95.7	95.7	95.7	95.8	95.8
≥ 800	31.9	85.3	90.9	93.0	95.5	96.0	96.2	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.6	96.6
≥ 700	31.9	85.4	91.0	93.1	95.8	96.3	96.7	96.7	96.7	96.7	96.8	96.9	96.9	96.9	97.0	97.0
≥ 600	32.0	85.7	91.5	93.6	96.4	97.1	97.6	97.6	97.6	97.6	97.7	97.8	97.8	97.8	98.0	98.0
≥ 500	32.0	85.8	91.8	94.0	96.9	97.6	98.4	98.4	98.4	98.4	98.5	98.6	98.6	98.6	98.7	98.7
≥ 400	32.0	85.8	91.8	94.2	97.2	98.0	98.7	98.8	98.8	98.8	99.0	99.1	99.1	99.1	99.2	99.2
≥ 300	32.0	85.8	91.8	94.2	97.2	98.0	99.0	99.1	99.1	99.1	99.4	99.6	99.7	99.7	99.8	99.8
≥ 200	32.0	85.8	91.8	94.2	97.2	98.0	99.0	99.1	99.1	99.1	99.4	99.6	99.7	99.8	99.9	99.9
≥ 100	32.0	85.8	91.8	94.2	97.2	98.0	99.0	99.1	99.1	99.1	99.4	99.6	99.7	99.8	99.9	100.0
≥ 50	32.0	85.8	91.8	94.2	97.2	98.0	99.0	99.1	99.1	99.1	99.4	99.6	99.7	99.8	99.9	100.0
≥ 20	32.0	85.8	91.8	94.2	97.2	98.0	99.0	99.1	99.1	99.1	99.4	99.6	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296

MCCUIPE AFB NJ

73-82

001

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2130-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	22.7	54.3	56.6	57.9	58.6	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
≥20000	23.7	59.5	62.7	63.3	64.1	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7
≥18000	23.7	59.5	62.7	63.3	64.1	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7
≥16000	23.9	59.5	62.0	63.3	64.1	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7
≥14000	24.2	59.8	62.2	63.5	64.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.9	64.9	64.9
≥12000	24.2	61.5	64.0	65.3	66.0	66.1	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7
≥10000	25.5	64.7	67.2	68.5	69.3	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9
≥9000	25.3	65.4	67.9	69.1	69.9	70.0	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6
≥8000	27.2	68.9	71.5	72.8	73.6	73.7	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.3	74.4	74.4
≥7000	27.4	69.4	72.0	73.2	74.0	74.1	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.8	74.9	74.9
≥6000	28.0	70.1	72.7	74.0	74.8	74.9	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.5	75.6	75.6
≥5000	28.7	71.6	74.2	75.5	76.3	76.4	76.7	76.8	76.8	76.9	76.9	76.9	76.9	77.0	77.1	77.1
≥4500	29.8	73.4	75.9	77.7	78.5	78.6	79.0	79.1	79.1	79.2	79.2	79.2	79.2	79.3	79.4	79.4
≥4000	29.1	74.8	77.9	79.6	80.6	80.7	81.0	81.1	81.1	81.2	81.2	81.2	81.2	81.3	81.4	81.4
≥3500	29.3	77.0	80.4	82.3	83.5	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.3	84.4	84.4
≥3000	29.7	78.9	82.5	84.5	85.8	85.9	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.5	86.6	86.6
≥2500	29.8	79.4	83.1	85.0	86.3	86.4	86.7	86.8	86.8	86.9	86.9	86.9	86.9	87.1	87.2	87.2
≥2000	30.1	80.7	84.7	86.7	88.1	88.2	88.6	88.7	88.7	88.8	88.8	88.8	88.8	88.9	89.0	89.0
≥1800	30.1	80.8	84.8	86.8	88.2	88.3	88.7	88.8	88.8	88.9	88.9	88.9	88.9	89.0	89.1	89.1
≥1500	30.1	81.6	85.8	87.9	89.5	89.9	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.6	90.7	90.7
≥1200	30.1	82.5	86.8	89.1	90.9	91.4	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.1	92.2	92.2
≥1000	30.1	83.0	87.5	89.8	91.7	92.1	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.9	93.0	93.0
≥900	30.1	83.0	87.5	89.8	91.8	92.2	92.7	92.8	92.8	92.9	92.9	92.9	92.9	93.0	93.1	93.1
≥800	30.2	83.1	87.6	90.1	92.3	92.8	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.6	93.7	93.7
≥700	30.2	83.3	87.9	90.6	93.0	93.4	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.3	94.4	94.4
≥600	30.4	83.7	88.3	91.2	93.6	94.3	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.1	95.3	95.3
≥500	30.4	83.7	88.8	91.8	94.4	95.0	95.6	95.8	95.8	95.9	95.9	95.9	95.9	96.0	96.1	96.1
≥400	30.4	83.7	88.8	91.9	94.6	95.3	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.4	96.5	96.5
≥300	30.4	83.7	88.9	92.0	94.8	95.5	96.3	97.1	97.1	97.2	97.2	97.3	97.3	97.4	97.5	97.5
≥200	30.4	83.8	89.0	92.1	94.9	95.6	97.0	98.0	98.0	98.2	98.3	98.5	98.5	98.7	98.8	98.9
≥100	30.4	83.8	89.0	92.1	94.9	95.6	97.0	98.0	98.0	98.3	98.4	98.6	98.6	98.8	98.9	99.1
≥50	30.4	83.8	89.0	92.1	94.9	95.6	97.0	98.0	98.0	98.3	98.4	98.6	98.6	98.8	98.9	99.1
≥20	30.4	83.8	89.0	92.1	94.9	95.6	97.0	98.0	98.0	98.3	98.4	98.6	98.6	98.8	98.9	99.1

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

774096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEAR

051
ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING	21.0	49.5	51.6	52.8	53.8	54.0	54.3	54.5	54.5	54.6	54.7	54.7	54.7	54.9	54.9	54.9	54.9
≥ 20000	22.6	55.0	57.5	58.7	59.8	60.1	60.4	60.6	60.7	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.0
≥ 18000	22.7	55.1	57.5	58.8	59.9	60.1	60.5	60.7	60.7	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0
≥ 16000	22.7	55.1	57.6	58.8	59.9	60.2	60.5	60.7	60.8	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0
≥ 14000	22.7	55.4	57.9	59.2	60.2	60.5	60.8	61.0	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3
≥ 12000	23.4	56.4	58.9	60.2	61.3	61.5	61.9	62.1	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4
≥ 10000	24.2	59.3	61.9	63.3	64.4	64.7	65.0	65.2	65.3	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.5
≥ 9000	24.5	59.8	62.4	63.8	64.9	65.1	65.5	65.7	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0
≥ 8000	25.4	63.0	65.8	67.2	68.4	68.7	69.1	69.4	69.4	69.6	69.6	69.6	69.6	69.7	69.8	69.8	69.8
≥ 7000	25.7	63.7	66.6	68.0	69.2	69.5	69.9	70.2	70.3	70.4	70.5	70.5	70.6	70.6	70.7	70.7	70.7
≥ 6000	26.2	64.4	67.3	68.7	70.0	70.3	70.7	71.0	71.1	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5
≥ 5000	26.5	66.2	69.3	70.8	72.1	72.4	72.9	73.1	73.2	73.4	73.4	73.4	73.5	73.5	73.6	73.6	73.6
≥ 4500	27.1	68.1	71.4	73.0	74.5	74.9	75.3	75.6	75.7	75.8	75.9	75.9	76.0	76.0	76.1	76.1	76.1
≥ 4000	27.6	70.7	74.2	75.9	77.5	77.9	78.3	78.6	78.7	78.9	78.9	78.9	79.0	79.0	79.1	79.1	79.1
≥ 3500	28.1	73.3	77.0	78.9	80.7	81.1	81.6	81.9	82.0	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4
≥ 3000	28.5	75.6	79.5	81.6	83.5	84.0	84.5	84.8	84.9	85.1	85.2	85.2	85.2	85.3	85.4	85.4	85.4
≥ 2500	29.7	76.9	81.0	83.1	85.1	85.6	86.1	86.4	86.5	86.7	86.7	86.7	86.8	86.8	86.9	86.9	86.9
≥ 2000	29.3	78.1	82.4	84.5	86.5	87.0	87.6	87.9	88.0	88.2	88.2	88.2	88.3	88.4	88.4	88.5	88.5
≥ 1800	29.4	78.3	82.6	84.7	86.7	87.2	87.8	88.1	88.2	88.4	88.5	88.5	88.6	88.6	88.7	88.7	88.7
≥ 1500	29.6	79.2	83.7	85.9	88.1	88.7	89.3	89.7	89.8	90.0	90.1	90.1	90.2	90.2	90.3	90.3	90.3
≥ 1200	29.7	79.7	84.3	86.6	89.0	89.6	90.2	90.6	90.7	90.9	91.0	91.0	91.1	91.1	91.2	91.2	91.2
≥ 1000	29.7	80.1	84.8	87.3	89.8	90.6	91.3	91.7	91.8	92.0	92.1	92.1	92.2	92.2	92.3	92.3	92.3
≥ 900	29.7	80.3	85.1	87.6	90.3	91.1	91.8	92.2	92.3	92.5	92.6	92.6	92.7	92.8	92.9	92.9	92.9
≥ 800	29.8	80.5	85.4	88.0	90.8	91.7	92.5	92.9	93.0	93.2	93.3	93.3	93.4	93.4	93.5	93.5	93.5
≥ 700	29.8	80.7	85.7	88.4	91.5	92.4	93.4	93.8	93.9	94.1	94.2	94.2	94.3	94.4	94.5	94.5	94.5
≥ 600	29.8	80.9	86.0	88.8	92.1	93.1	94.1	94.5	94.6	94.9	95.0	95.0	95.1	95.2	95.3	95.3	95.3
≥ 500	29.9	81.1	86.3	89.3	92.9	94.1	95.3	95.9	96.1	96.4	96.5	96.5	96.6	96.6	96.8	96.8	96.8
≥ 400	29.9	81.1	86.4	89.4	93.2	94.4	95.7	96.4	96.6	96.9	97.1	97.1	97.2	97.2	97.4	97.4	97.4
≥ 300	29.9	81.1	86.4	89.4	93.3	94.7	96.1	96.9	97.1	97.5	97.7	97.7	97.8	97.8	98.0	98.0	98.0
≥ 200	29.9	81.1	86.4	89.4	93.3	94.7	96.3	97.1	97.4	97.9	98.1	98.1	98.3	98.4	98.7	98.7	98.7
≥ 150	29.9	81.1	86.4	89.4	93.3	94.7	96.3	97.1	97.4	97.9	98.1	98.2	98.4	98.5	99.0	99.0	99.0
≥ 100	29.9	81.1	86.4	89.4	93.3	94.7	96.3	97.1	97.4	97.9	98.1	98.2	98.4	98.5	99.0	99.0	99.0
≥ 50	29.9	81.1	86.4	89.4	93.3	94.7	96.3	97.1	97.4	97.9	98.1	98.2	98.4	98.5	99.0	99.0	99.0
≥ 0	29.9	81.1	86.4	89.4	93.3	94.7	96.3	97.1	97.4	97.9	98.1	98.2	98.4	98.5	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 7430

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7496

MCGUIRE AFB NJ

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	23.6	49.8	50.1	50.4	51.9	52.2	52.4	52.8	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.7
≥20000	24.4	52.1	52.7	53.0	54.4	54.8	55.0	55.3	55.3	55.6	55.7	55.7	55.7	55.7	55.7	56.2
≥18000	24.4	52.2	52.8	53.1	54.7	55.0	55.2	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	56.4
≥16000	24.4	52.2	52.8	53.1	54.7	55.0	55.2	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	56.4
≥14000	24.4	52.7	53.2	53.6	55.1	55.4	55.7	56.0	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.9
≥12000	24.4	53.2	53.8	54.1	55.7	56.0	56.2	56.6	56.6	56.8	56.9	56.9	56.9	56.9	56.9	57.4
≥10000	25.0	56.4	57.3	57.7	59.2	59.6	59.8	60.1	60.1	60.3	60.4	60.4	60.4	60.4	60.4	61.7
≥8000	26.3	57.2	58.1	58.4	60.0	60.3	60.6	60.9	60.9	61.1	61.2	61.2	61.2	61.2	61.2	61.8
≥6000	28.1	60.1	61.0	61.3	62.9	63.2	63.4	63.8	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.7
≥4000	29.3	61.0	61.9	62.2	63.8	64.1	64.3	64.7	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.6
≥2000	29.7	62.0	63.0	63.3	64.9	65.2	65.4	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.7
≥1000	32.3	65.1	66.6	67.0	68.6	68.9	69.1	69.4	69.4	69.7	69.8	69.8	69.8	69.8	69.8	70.3
≥800	31.3	65.8	67.4	67.0	68.6	68.9	69.1	69.4	69.4	69.7	69.8	69.8	69.8	69.8	69.8	70.3
≥600	32.7	71.1	72.8	73.4	75.1	75.4	75.7	76.0	76.0	76.2	76.3	76.3	76.3	76.3	76.3	76.9
≥400	33.1	72.9	74.8	75.4	77.2	77.6	77.8	78.1	78.3	78.6	78.7	78.7	78.7	78.7	78.7	79.2
≥200	34.2	74.6	76.8	77.4	79.2	79.6	79.8	80.2	80.4	80.7	80.8	80.8	80.8	80.8	80.8	81.3
≥100	34.7	75.3	77.7	78.4	80.6	80.9	81.1	81.6	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.7
≥80	34.7	75.3	78.1	79.1	81.2	81.6	81.9	82.3	82.6	82.8	82.9	82.9	82.9	82.9	82.9	83.4
≥60	34.9	75.6	79.3	79.3	81.4	81.8	82.1	82.6	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.7
≥40	34.9	76.4	79.3	80.6	82.8	83.3	83.7	84.1	84.3	84.6	84.7	84.7	84.7	84.7	84.7	85.2
≥20	34.7	77.0	79.9	81.1	83.4	84.1	84.4	84.9	85.1	85.3	85.4	85.4	85.4	85.4	85.4	86.7
≥10	35.1	78.1	81.3	82.6	85.1	85.9	86.2	86.7	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.8
≥8	35.2	78.9	82.1	83.3	86.0	86.8	87.1	87.6	87.8	88.0	88.1	88.1	88.1	88.1	88.1	88.7
≥6	35.2	79.0	82.4	83.7	86.6	87.4	87.8	88.2	88.4	88.7	88.8	88.8	88.8	88.8	88.8	89.3
≥4	35.2	79.6	83.1	84.3	87.2	88.3	88.7	89.1	89.3	89.6	89.7	89.7	89.7	89.7	89.7	90.2
≥2	35.2	79.6	83.1	84.6	87.6	88.7	89.2	89.7	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.8
≥1	35.2	79.7	83.2	85.0	88.8	89.9	90.7	91.1	91.3	91.6	91.8	91.8	91.8	91.8	91.8	92.3
≥0.5	35.2	80.2	83.8	85.6	89.8	91.0	92.1	92.7	93.0	93.2	93.4	93.4	93.4	93.4	93.4	94.2
≥0.2	35.2	80.2	83.8	85.6	89.9	91.1	92.4	93.4	94.1	94.3	94.6	94.6	94.6	94.6	94.6	95.6
≥0.1	35.2	80.2	83.9	85.7	90.1	91.4	92.9	94.0	94.9	95.3	95.6	95.7	95.7	95.7	95.7	97.2
≥0.05	35.2	80.2	84.0	85.8	90.3	91.7	93.1	94.2	95.1	95.8	96.0	96.3	96.6	96.8	97.2	99.0
≥0.02	35.2	80.2	84.0	85.8	90.3	91.7	93.1	94.2	95.1	95.8	96.0	96.3	96.6	96.8	97.2	99.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496

MCGUIRE AFB NJ

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	23.7	48.0	49.1	50.0	50.4	50.8	51.3	51.6	51.6	51.9	52.0	52.0	52.0	52.0	52.2	52.6
≥ 20000	24.7	50.3	51.4	52.3	52.8	53.1	53.7	53.9	53.9	54.2	54.3	54.3	54.3	54.3	54.6	54.9
≥ 18000	24.7	50.4	51.7	52.6	53.0	53.3	53.9	54.1	54.1	54.4	54.6	54.6	54.6	54.6	54.8	55.1
≥ 16000	24.7	50.4	51.7	52.6	53.0	53.3	53.9	54.1	54.1	54.4	54.6	54.6	54.6	54.6	54.8	55.1
≥ 14000	24.1	50.7	51.9	52.8	53.2	53.6	54.1	54.3	54.3	54.7	54.8	54.8	54.8	54.8	55.0	55.3
≥ 12000	24.6	51.1	52.3	53.3	54.0	54.3	54.9	55.1	55.1	55.4	55.6	55.6	55.6	55.6	55.8	56.1
≥ 10000	26.4	54.6	56.0	57.0	57.7	58.0	58.6	58.8	58.8	59.1	59.2	59.2	59.2	59.2	59.4	59.8
≥ 9000	26.9	55.0	56.4	57.4	58.1	58.4	59.0	59.2	59.2	59.6	59.7	59.7	59.7	59.7	59.9	60.2
≥ 8000	27.6	56.4	57.9	58.9	59.6	59.9	60.4	60.7	60.7	61.0	61.1	61.1	61.1	61.1	61.3	61.7
≥ 7000	27.7	57.3	58.8	59.8	60.4	60.8	61.3	61.6	61.6	61.9	62.0	62.0	62.0	62.0	62.2	62.6
≥ 6000	27.8	58.2	59.8	60.8	61.4	61.8	62.3	62.6	62.6	62.9	63.0	63.0	63.0	63.0	63.2	63.6
≥ 5000	28.1	60.9	62.9	64.0	64.8	65.1	65.7	65.9	65.9	66.2	66.3	66.3	66.3	66.3	66.6	66.9
≥ 4500	29.3	64.4	66.7	68.0	69.0	69.3	70.0	70.2	70.2	70.6	70.7	70.7	70.7	70.7	70.9	71.2
≥ 4000	30.4	66.6	69.0	70.7	71.7	72.0	72.7	72.9	72.9	73.2	73.3	73.3	73.3	73.3	73.6	73.9
≥ 3500	31.2	68.2	70.7	72.3	73.3	73.7	74.3	74.6	74.6	74.9	75.0	75.0	75.0	75.0	75.2	75.6
≥ 3000	32.1	70.3	73.1	74.9	75.9	76.2	76.9	77.1	77.1	77.4	77.6	77.6	77.6	77.6	77.8	78.1
≥ 2500	32.1	71.0	73.8	75.7	76.8	77.1	77.8	78.0	78.0	78.3	78.4	78.4	78.4	78.4	78.7	79.0
≥ 2000	32.5	71.8	74.7	76.7	77.8	78.1	78.8	79.0	79.0	79.3	79.4	79.4	79.4	79.4	79.7	80.0
≥ 1800	32.7	72.0	74.9	76.9	78.0	78.3	79.0	79.2	79.2	79.6	79.7	79.7	79.7	79.7	79.9	80.2
≥ 1500	32.8	73.3	76.3	78.7	80.0	80.3	81.1	81.3	81.3	81.7	81.8	81.8	81.8	81.8	82.0	82.3
≥ 1200	33.0	74.1	77.1	79.4	80.8	81.2	82.0	82.2	82.2	82.6	82.7	82.7	82.7	82.7	82.9	83.2
≥ 1000	33.0	75.3	78.4	80.8	82.2	82.7	83.4	83.7	83.7	84.0	84.1	84.1	84.1	84.1	84.3	84.7
≥ 900	33.0	75.9	79.0	81.3	82.9	83.3	84.1	84.3	84.3	84.7	84.8	84.8	84.8	84.8	85.0	85.3
≥ 800	33.0	76.0	79.3	81.8	83.7	84.1	84.9	85.1	85.2	85.6	85.7	85.7	85.7	85.7	85.9	86.2
≥ 700	33.0	76.0	79.6	82.1	84.0	84.4	85.2	85.4	85.6	85.9	86.0	86.0	86.0	86.0	86.2	86.6
≥ 600	33.0	76.2	80.0	82.7	85.6	86.3	87.3	87.6	87.7	88.0	88.1	88.1	88.1	88.1	88.3	88.7
≥ 500	33.0	76.8	80.6	83.4	86.4	87.4	88.9	89.1	89.2	89.6	89.7	89.7	89.7	89.7	89.9	90.2
≥ 400	33.0	76.9	80.7	83.8	87.3	88.3	90.2	90.7	91.0	91.3	91.4	91.4	91.4	91.4	91.7	92.2
≥ 300	33.0	76.9	80.8	83.9	87.7	89.0	91.2	92.1	92.6	93.0	93.2	93.3	93.3	93.3	93.6	94.1
≥ 200	33.0	76.9	80.9	84.1	87.9	89.2	91.4	92.6	93.2	93.9	94.1	94.3	94.4	94.4	94.6	95.1
≥ 100	33.0	76.9	80.9	84.1	87.9	89.2	91.6	92.7	93.6	94.3	94.6	94.8	95.0	95.2	96.1	98.4
≥ 0	33.0	76.9	80.9	84.1	87.9	89.2	91.6	92.7	93.6	94.3	94.6	94.8	95.0	95.2	96.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796

MCGUIRE AFB NJ

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6000-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005
NO CEILING	20.0	41.7	42.7	44.1	45.4	46.0	46.3	46.4	46.6	46.8	47.0	47.0	47.1	47.1	47.2	47.7
≥ 20000	21.7	45.8	47.0	48.6	50.2	50.6	51.2	51.3	51.4	51.7	51.9	51.9	52.0	52.0	52.1	52.7
≥ 18000	21.2	46.1	47.3	48.9	50.6	51.1	51.6	51.7	51.8	52.0	52.2	52.2	52.3	52.3	52.4	53.0
≥ 16000	21.2	46.1	47.3	48.9	50.6	51.1	51.6	51.7	51.8	52.0	52.2	52.2	52.3	52.3	52.4	53.0
≥ 14000	21.2	46.3	47.6	49.1	50.8	51.3	51.8	51.9	52.0	52.2	52.4	52.4	52.6	52.6	52.7	53.2
≥ 12000	21.3	47.3	48.6	50.2	51.9	52.4	52.9	53.0	53.1	53.3	53.6	53.6	53.7	53.7	53.8	54.3
≥ 10000	22.3	50.2	51.4	53.2	55.1	55.8	56.3	56.7	56.8	57.1	57.3	57.3	57.4	57.4	57.6	58.1
≥ 9000	22.7	50.4	51.7	53.4	55.3	56.0	56.6	56.9	57.0	57.3	57.6	57.6	57.7	57.7	57.8	58.3
≥ 8000	24.0	53.3	54.9	56.7	58.8	59.4	60.1	60.4	60.6	60.9	61.1	61.1	61.2	61.2	61.3	61.9
≥ 7000	25.3	55.0	56.8	58.6	61.1	61.9	62.6	63.0	63.1	63.4	63.7	63.7	63.8	63.8	63.9	64.4
≥ 6000	25.6	56.0	57.8	59.6	62.1	63.0	63.7	64.1	64.2	64.6	64.8	64.8	64.9	64.9	65.0	65.6
≥ 5000	26.0	58.6	60.7	62.6	65.1	66.0	66.8	67.2	67.3	67.7	67.9	67.9	68.1	68.1	68.2	68.8
≥ 4500	27.3	61.0	63.2	65.1	67.8	68.7	69.4	69.9	70.0	70.3	70.7	70.7	70.9	70.9	71.0	71.6
≥ 4000	27.8	63.1	65.6	67.4	70.2	71.1	72.0	72.4	72.6	73.0	73.3	73.3	73.7	73.7	73.8	74.3
≥ 3500	28.7	64.9	67.4	69.3	72.1	73.1	74.0	74.4	74.6	75.0	75.3	75.3	75.7	75.7	75.8	76.3
≥ 3000	29.4	67.6	70.1	72.4	75.3	76.3	77.2	77.7	77.8	78.2	78.6	78.6	78.9	78.9	79.0	79.6
≥ 2500	29.7	68.8	71.4	73.9	76.9	77.9	78.8	79.2	79.3	79.8	80.1	80.1	80.4	80.4	80.6	81.1
≥ 2000	29.9	70.1	73.0	75.4	78.7	79.7	80.6	81.0	81.1	81.6	81.9	81.9	82.2	82.2	82.3	82.9
≥ 1800	30.0	70.6	73.4	75.9	79.2	80.2	81.2	81.7	81.8	82.2	82.6	82.6	82.9	82.9	83.0	83.6
≥ 1600	30.0	71.8	74.7	77.3	80.7	81.8	82.8	83.2	83.3	83.8	84.1	84.1	84.4	84.4	84.6	85.1
≥ 1400	30.1	72.6	75.4	78.1	81.6	82.7	83.8	84.2	84.3	84.8	85.1	85.1	85.4	85.4	85.6	86.1
≥ 1200	30.1	73.0	76.0	78.7	82.3	83.7	84.8	85.2	85.3	85.9	86.2	86.2	86.6	86.6	86.7	87.2
≥ 1000	30.1	73.4	76.4	79.1	82.8	84.1	85.2	85.7	85.8	86.3	86.7	86.7	87.0	87.0	87.1	87.7
≥ 900	30.1	73.9	76.9	79.6	83.3	84.7	85.8	86.2	86.3	86.9	87.2	87.2	87.6	87.6	87.7	88.2
≥ 800	30.1	74.0	77.2	79.9	83.9	85.3	86.4	86.9	87.0	87.6	88.0	88.0	88.4	88.4	88.6	89.1
≥ 700	30.1	74.1	77.3	80.3	85.2	86.6	88.0	88.7	88.8	89.3	89.8	89.8	90.2	90.2	90.3	90.9
≥ 600	30.1	74.2	77.4	80.7	85.8	87.3	88.8	89.4	89.6	90.1	90.6	90.6	91.0	91.0	91.1	91.7
≥ 500	30.1	74.3	77.6	81.1	86.8	88.4	90.1	90.9	91.2	92.0	92.4	92.4	92.9	92.9	93.0	93.6
≥ 400	30.1	74.4	77.7	81.3	87.0	88.8	90.6	92.1	92.7	93.7	94.3	94.3	94.8	94.9	95.0	95.6
≥ 300	30.1	74.4	77.7	81.4	87.3	89.1	90.9	92.6	93.1	94.1	95.0	95.2	96.2	96.7	97.2	97.9
≥ 200	30.1	74.4	77.7	81.4	87.3	89.2	91.1	92.8	93.4	94.4	95.3	95.6	96.6	97.1	97.9	99.1
≥ 100	30.1	74.4	77.7	81.4	87.3	89.2	91.1	92.8	93.4	94.4	95.3	95.6	96.6	97.1	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796

MCGUIRE AFB NJ

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	20.3	42.1	43.1	44.4	45.0	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.4	45.4	45.7
≥ 20000	23.2	49.4	49.4	51.1	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.6
≥ 18000	23.2	49.3	50.3	52.0	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.4
≥ 16000	23.2	49.3	50.3	52.0	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.4
≥ 14000	23.6	50.0	51.0	52.7	53.4	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	54.1
≥ 12000	24.2	51.0	52.1	53.9	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1	55.1	55.4
≥ 10000	25.0	52.6	53.8	55.8	57.0	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.6	57.6	57.9
≥ 9000	25.0	53.3	54.6	56.6	57.8	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.6
≥ 8000	27.0	56.9	58.1	60.2	61.4	61.7	62.0	62.1	62.1	62.1	62.1	62.2	62.2	62.3	62.3	62.6
≥ 7000	27.4	58.3	59.7	61.9	63.7	64.0	64.3	64.4	64.4	64.4	64.4	64.6	64.6	64.7	64.7	65.0
≥ 6000	27.8	59.7	61.1	63.3	65.1	65.4	65.8	65.9	65.9	65.9	66.0	66.0	66.1	66.1	66.3	66.4
≥ 5000	28.9	62.6	64.1	66.4	68.2	68.6	69.0	69.1	69.1	69.2	69.3	69.3	69.4	69.4	69.7	69.8
≥ 4500	29.9	65.8	67.3	70.2	72.1	72.4	72.9	73.0	73.0	73.1	73.2	73.2	73.3	73.3	73.6	73.7
≥ 4000	30.9	68.4	70.1	73.3	75.3	75.7	76.1	76.2	76.2	76.3	76.4	76.4	76.6	76.6	76.8	76.9
≥ 3500	31.0	70.7	72.4	75.7	77.7	78.0	78.4	78.6	78.6	78.7	78.8	78.8	78.9	78.9	79.1	79.2
≥ 3000	31.7	72.9	74.8	78.2	80.4	80.8	81.2	81.3	81.3	81.4	81.7	81.7	81.8	81.8	82.1	82.2
≥ 2500	32.2	73.7	75.8	79.3	81.7	82.0	82.4	82.6	82.6	82.7	82.9	82.9	83.0	83.0	83.3	83.4
≥ 2000	32.2	74.3	76.4	80.0	82.4	82.8	83.2	83.3	83.3	83.4	83.7	83.7	83.8	83.8	84.1	84.2
≥ 1800	32.2	74.8	76.9	80.4	82.9	83.2	83.7	83.8	83.8	83.9	84.1	84.1	84.2	84.2	84.6	84.7
≥ 1500	32.6	76.3	78.6	82.1	84.6	85.0	85.4	85.6	85.6	85.8	86.0	86.0	86.1	86.1	86.4	86.6
≥ 1200	32.6	77.3	79.6	83.2	85.7	86.1	86.6	86.7	86.7	86.9	87.1	87.1	87.2	87.2	87.6	87.7
≥ 1000	32.6	77.7	80.2	84.1	86.8	87.6	88.0	88.1	88.1	88.3	88.6	88.6	88.7	88.7	89.0	89.1
≥ 900	32.6	78.0	80.9	85.0	88.0	88.9	89.4	89.6	89.6	89.8	90.0	90.0	90.1	90.1	90.4	90.6
≥ 800	32.6	78.6	81.4	85.7	88.9	89.9	90.6	90.7	90.7	90.9	91.1	91.1	91.2	91.2	91.6	91.7
≥ 700	32.6	78.9	82.0	86.3	90.0	91.4	92.2	92.4	92.4	92.7	92.9	92.9	93.0	93.0	93.3	93.4
≥ 600	32.6	79.3	82.7	87.0	90.8	92.2	93.0	93.3	93.3	93.6	93.8	93.8	94.0	94.0	94.3	94.4
≥ 500	32.6	79.4	82.8	87.1	91.3	93.0	94.0	94.6	94.6	95.0	95.2	95.2	95.4	95.4	95.7	96.1
≥ 400	32.6	79.6	82.9	87.6	92.0	93.7	95.2	95.9	96.3	96.9	97.2	97.2	97.4	97.4	97.7	98.1
≥ 300	32.6	79.7	83.0	87.7	92.1	93.8	95.3	96.4	97.0	97.8	98.3	98.4	98.7	98.9	99.2	99.3
≥ 200	32.6	79.7	83.0	87.7	92.1	93.8	95.4	96.6	97.1	97.9	98.4	98.6	98.9	99.1	99.4	99.6
≥ 100	32.6	79.7	83.0	87.7	92.1	93.8	95.4	96.6	97.1	97.9	98.4	98.6	98.9	99.2	99.6	99.8
≥ 0	32.6	79.7	83.0	87.7	92.1	93.8	95.4	96.6	97.1	97.9	98.4	98.6	98.9	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 907

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096

MCGUIRE AFB NJ

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1232-1430

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	22.9	42.3	42.9	43.6	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	25.7	48.9	52.0	51.1	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 18000	25.9	49.2	50.3	51.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 16000	25.9	49.2	50.3	51.4	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 14000	26.3	49.3	50.4	51.8	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	27.0	50.9	52.1	53.3	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	28.4	54.3	55.6	56.9	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	28.5	55.1	56.3	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	30.3	58.4	60.0	61.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 7000	31.0	60.3	62.1	63.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	31.2	60.9	62.7	64.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 5000	32.2	63.1	64.9	66.6	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 4500	33.2	65.8	67.6	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	35.1	70.8	72.9	74.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	35.6	74.1	76.2	78.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3000	37.3	77.9	80.0	82.7	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 2500	38.3	79.0	81.2	84.0	85.3	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	38.2	80.4	82.8	85.8	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1800	38.2	81.4	84.0	87.1	88.4	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1600	38.6	82.6	85.1	88.2	89.7	90.0	90.1	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1400	38.7	83.3	85.9	89.1	90.6	90.9	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1200	38.9	83.9	86.7	90.1	92.0	92.8	93.0	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1000	38.9	84.2	87.0	90.7	92.7	93.4	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	39.0	84.7	87.6	91.3	93.4	94.3	94.7	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	39.0	85.0	87.9	91.8	94.2	95.2	95.7	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	39.0	85.3	88.7	92.2	94.8	95.8	96.2	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	39.2	85.3	88.2	92.2	95.2	96.4	97.0	97.4	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	39.1	85.3	88.2	92.2	95.3	96.6	97.6	98.3	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	39.3	85.3	88.2	92.3	95.4	96.7	97.7	98.8	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	39.3	85.3	88.2	92.3	95.4	96.7	97.7	98.8	99.0	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	39.1	85.3	88.2	92.3	95.4	96.7	97.7	98.8	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	39.1	85.3	88.2	92.3	95.4	96.7	97.7	98.8	99.0	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7/4/96 MCGUIRE AFB NJ

73-82

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	23.4	45.2	45.4	46.0	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 20000	27.3	54.7	55.2	55.9	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	27.3	54.7	55.2	55.9	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	27.3	54.7	55.2	55.9	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	27.8	55.2	55.8	56.4	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	28.7	56.7	57.2	57.9	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	30.0	59.2	59.8	60.7	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 9000	30.2	60.1	60.8	61.7	62.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 8000	32.7	63.6	64.3	65.4	66.2	66.2	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 7000	33.0	64.7	65.7	66.9	67.7	67.7	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	33.0	65.6	66.6	67.8	68.6	68.6	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 5000	34.2	67.3	68.3	69.7	70.6	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	34.7	70.1	71.2	72.7	73.8	73.9	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	35.9	73.8	74.9	76.4	77.6	77.7	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	36.8	77.0	78.2	79.8	81.0	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	38.2	80.4	81.7	83.2	84.6	84.9	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	38.4	81.2	82.8	84.4	85.8	86.2	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	39.1	83.3	85.1	87.1	88.4	88.9	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	39.1	84.0	85.9	87.9	89.2	89.7	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	39.4	85.7	87.8	90.1	91.7	92.2	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	39.7	86.3	88.4	91.0	92.6	93.1	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	39.7	86.3	88.4	91.0	92.9	93.6	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	39.7	86.3	88.4	91.2	93.3	94.0	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 800	39.7	86.3	88.7	91.6	93.7	94.4	95.1	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 700	39.7	86.3	88.8	91.8	94.0	94.8	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 600	39.7	86.4	88.9	91.9	94.4	95.2	96.0	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 500	39.7	86.4	89.2	92.2	95.1	95.9	96.9	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400	39.7	86.4	89.2	92.2	95.2	96.0	97.1	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	39.7	86.4	89.2	92.3	95.4	96.3	97.6	98.6	98.7	99.2	99.4	99.4	99.6	99.7	99.7	99.7
≥ 200	39.7	86.4	89.2	92.3	95.4	96.3	97.6	98.6	98.7	99.3	99.6	99.6	99.7	99.9	100.0	100.0
≥ 100	39.7	86.4	89.2	92.3	95.4	96.3	97.6	98.6	98.7	99.3	99.6	99.6	99.7	99.9	100.0	100.0
≥ 50	39.7	86.4	89.2	92.3	95.4	96.3	97.6	98.6	98.7	99.3	99.6	99.6	99.7	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

74096 MCGUIRE AFB NJ

73-62

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1947-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.3	49.4	49.7	50.8	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	28.8	56.8	57.2	58.3	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
W 18000	28.8	56.8	57.2	58.3	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
W 16000	23.8	56.8	57.2	58.3	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
W 14000	29.2	57.3	57.9	59.0	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
W 12000	30.3	59.0	59.6	60.7	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
W 10000	31.8	62.4	63.0	64.3	64.9	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
W 9000	31.3	62.9	63.9	65.2	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
W 8000	33.4	66.4	67.4	68.9	69.7	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
W 7000	33.6	66.9	67.9	69.3	70.1	70.2	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
W 6000	33.9	67.9	69.1	70.7	71.4	71.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
W 5000	34.2	69.3	70.7	72.2	73.1	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
W 4500	34.3	72.4	73.9	75.4	76.3	76.4	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
W 4000	35.1	73.7	75.1	76.7	77.6	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
W 3500	35.1	75.9	77.4	79.1	80.0	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
W 3000	36.1	77.9	79.7	81.4	82.6	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
W 2500	36.4	80.2	82.2	84.0	85.2	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
W 2000	36.4	80.8	83.0	84.9	86.1	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
W 1800	36.6	81.0	83.2	85.1	86.3	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
W 1500	36.7	83.3	86.0	88.4	90.0	90.2	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
W 1200	36.7	84.4	87.1	89.7	91.2	91.4	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
W 1000	36.7	84.8	87.6	90.3	91.9	92.2	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
W 900	36.7	84.8	87.6	90.4	92.1	92.4	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
W 800	36.7	84.9	87.8	90.8	92.4	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
W 700	36.7	85.3	88.2	91.3	93.3	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
W 600	36.7	85.4	88.3	91.4	93.8	94.1	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
W 500	36.7	85.4	88.3	91.6	94.7	95.1	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
W 400	36.7	85.4	88.3	91.6	95.0	95.6	96.4	96.8	96.8	96.9	96.9	96.9	96.9	97.0	97.0	97.0
W 300	36.7	85.4	88.3	91.7	95.1	95.7	96.7	97.3	97.4	97.9	98.0	98.0	98.0	98.1	98.1	98.1
W 200	36.7	85.4	88.3	91.8	95.3	95.9	97.1	97.9	98.0	98.4	99.2	99.3	99.3	99.6	99.7	99.8
W 100	36.7	85.4	88.3	91.8	95.3	95.9	97.1	97.9	98.0	98.4	99.2	99.3	99.3	99.7	99.8	99.9
W 0	36.7	85.4	88.3	91.8	95.3	95.9	97.1	97.9	98.0	98.4	99.2	99.3	99.3	99.7	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A1- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

704-96
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.01
≥ 2000	25.3	49.6	50.6	51.0	52.0	52.3	52.8	52.8	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0
≥ 1800	27.7	54.3	55.7	56.1	57.1	57.4	57.9	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1
≥ 1600	27.7	54.4	55.9	56.2	57.2	57.6	58.0	58.0	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2
≥ 1400	28.1	55.1	56.4	56.9	57.9	58.2	58.7	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9
≥ 1200	28.3	55.3	56.7	57.1	58.1	58.4	58.9	58.9	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1
≥ 1000	30.3	59.8	61.2	61.7	62.7	63.0	63.4	63.4	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7
≥ 800	30.3	60.6	62.1	62.7	63.7	64.0	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7
≥ 600	32.6	64.8	66.4	67.0	68.1	68.6	69.0	69.0	69.0	69.0	69.2	69.2	69.2	69.2	69.2	69.2
≥ 400	32.7	65.7	67.4	68.0	69.1	69.6	70.0	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2
≥ 200	32.9	66.2	68.0	68.6	69.7	70.1	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8
≥ 100	33.3	69.4	71.2	71.8	72.9	73.3	73.9	73.9	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1
≥ 50	34.4	72.8	74.7	75.2	76.3	76.8	77.3	77.3	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6
≥ 25	35.0	74.1	76.0	76.6	77.8	78.2	78.8	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0
≥ 15	35.4	75.9	77.9	78.4	79.7	80.1	80.7	80.7	80.8	80.8	81.0	81.0	81.0	81.0	81.0	81.0
≥ 10	36.4	77.6	79.7	80.2	81.4	81.9	82.4	82.4	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8
≥ 7.5	36.6	78.2	80.9	81.4	82.7	83.1	83.7	83.7	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5	36.7	79.1	81.8	82.3	83.6	84.0	84.7	84.7	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0
≥ 3	36.7	79.3	82.1	82.7	83.9	84.3	85.0	85.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3
≥ 2	36.8	80.7	84.0	84.8	86.2	86.8	87.4	87.4	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1.5	36.9	81.2	84.7	85.4	86.9	87.4	88.1	88.1	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1	36.9	82.1	86.0	87.1	88.8	89.3	90.0	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3
≥ 0.75	36.9	82.2	86.1	87.2	89.0	89.6	90.2	90.2	90.3	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 0.5	36.9	82.4	86.3	87.4	89.3	90.1	90.8	90.8	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1
≥ 0.25	36.9	82.6	86.8	88.0	89.9	90.7	91.3	91.3	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7
≥ 0.15	36.9	82.6	86.8	88.3	90.0	90.8	91.4	91.4	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9
≥ 0.1	36.9	82.7	87.1	88.4	90.9	92.1	93.8	94.1	94.2	94.3	94.6	94.6	94.6	94.6	94.7	94.7
≥ 0.05	36.9	82.7	87.1	88.7	91.3	92.6	95.0	95.4	95.6	96.0	96.2	96.2	96.2	96.2	96.9	97.0
≥ 0.01	37.0	82.8	87.2	88.8	91.4	92.7	95.2	95.9	96.1	96.6	96.9	97.1	97.1	97.1	98.1	98.4
≥ 0	37.7	82.8	87.2	88.8	91.4	92.7	95.4	96.1	96.3	96.9	97.2	97.2	97.2	97.7	97.8	99.7
≥ 0	37.0	82.8	87.2	88.8	91.4	92.7	95.4	96.1	96.3	96.9	97.2	97.2	97.2	97.7	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURLY

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64
NO. CEILING	23.1	46.0	46.7	47.5	48.3	48.5	48.8	48.8	48.9	49.0	49.0	49.0	49.1	49.1	49.1	49.3
≥ 20000	25.2	51.4	52.3	53.3	54.2	54.4	54.6	54.7	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.2
≥ 18000	25.3	51.6	52.6	53.5	54.4	54.6	54.9	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.3	55.5
≥ 16000	25.3	51.7	52.6	53.6	54.4	54.7	54.9	55.0	55.0	55.1	55.2	55.2	55.2	55.2	55.3	55.5
≥ 14000	25.6	52.1	53.0	54.0	54.9	55.1	55.4	55.5	55.5	55.6	55.7	55.7	55.7	55.7	55.8	56.0
≥ 12000	26.2	53.1	54.0	55.1	56.0	56.2	56.5	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	57.0
≥ 10000	27.6	56.2	57.3	58.4	59.4	59.7	60.0	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.4	60.6
≥ 9000	27.8	56.8	58.0	59.1	60.2	60.4	60.7	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.2	61.4
≥ 8000	29.3	60.0	61.3	62.5	63.6	63.9	64.2	64.3	64.4	64.5	64.6	64.6	64.6	64.6	64.7	64.9
≥ 7000	29.9	61.2	62.5	63.8	65.1	65.3	65.7	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.4
≥ 6000	30.2	62.1	63.5	64.8	66.0	66.3	66.7	66.8	66.9	67.0	67.1	67.1	67.1	67.1	67.2	67.4
≥ 5000	31.7	64.5	66.2	67.5	68.8	69.2	69.5	69.7	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.2
≥ 4500	31.3	67.6	69.4	70.9	72.3	72.6	73.0	73.2	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.7
≥ 4000	32.9	73.2	72.7	73.7	75.1	75.5	75.9	76.0	76.0	76.2	76.3	76.3	76.3	76.3	76.4	76.6
≥ 3500	33.4	72.4	74.4	76.1	77.6	78.0	78.4	78.5	78.6	78.7	78.8	78.8	78.9	78.9	79.0	79.2
≥ 3000	34.5	74.9	77.0	78.8	80.4	80.8	81.2	81.4	81.5	81.6	81.7	81.7	81.8	81.8	81.9	82.1
≥ 2500	34.8	75.9	78.2	80.2	81.9	82.3	82.7	82.9	82.9	83.1	83.2	83.2	83.3	83.3	83.3	83.5
≥ 2000	35.0	76.9	79.4	81.4	83.2	83.6	84.0	84.2	84.3	84.4	84.5	84.5	84.6	84.6	84.7	84.9
≥ 1800	35.3	77.3	79.8	81.9	83.7	84.1	84.6	84.7	84.8	84.9	85.1	85.1	85.1	85.1	85.2	85.4
≥ 1500	35.2	78.8	81.5	83.8	85.7	86.2	86.8	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.4	87.6
≥ 1200	35.3	79.5	82.3	84.6	86.6	87.1	87.7	87.9	87.9	88.1	88.2	88.2	88.3	88.3	88.4	88.6
≥ 1000	35.3	80.2	83.1	85.6	87.8	88.5	89.0	89.2	89.3	89.5	89.6	89.6	89.7	89.7	89.8	89.9
≥ 900	35.4	80.5	83.4	86.0	88.3	89.1	89.7	89.9	90.0	90.1	90.3	90.3	90.3	90.3	90.4	90.6
≥ 800	35.4	80.7	83.6	86.5	88.9	89.7	90.3	90.6	90.7	90.8	91.0	91.0	91.0	91.1	91.1	91.3
≥ 700	35.4	81.0	84.2	86.9	89.6	90.5	91.1	91.4	91.5	91.6	91.8	91.8	91.9	91.9	91.9	92.1
≥ 600	35.4	81.1	84.4	87.3	90.3	91.2	92.0	92.3	92.4	92.6	92.8	92.8	92.8	92.8	92.9	93.1
≥ 500	35.4	81.2	84.6	87.6	91.0	92.1	93.1	93.5	93.7	93.9	94.1	94.1	94.2	94.2	94.3	94.5
≥ 400	35.4	81.4	84.7	87.8	91.5	92.7	94.1	94.7	94.9	95.2	95.4	95.4	95.5	95.6	95.7	95.9
≥ 300	35.4	81.4	84.8	87.9	91.8	93.0	94.6	95.5	95.9	96.4	96.7	96.8	96.9	96.9	97.1	97.4
≥ 200	35.4	81.4	84.8	88.0	91.9	93.1	94.8	95.8	96.3	96.9	97.3	97.4	97.7	97.8	98.2	98.6
≥ 100	35.4	81.4	84.8	88.0	91.9	93.2	94.9	95.9	96.4	97.1	97.5	97.7	98.0	98.2	98.7	99.5
≥ 0	35.4	81.4	84.8	88.0	91.9	93.2	94.9	95.9	96.4	97.1	97.5	97.7	98.0	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724-96
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	21.7	49.0	49.7	50.5	50.6	50.6	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.5
≥ 20000	23.0	52.2	52.6	53.7	53.8	53.8	54.1	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 18000	23.0	52.2	52.6	53.7	53.8	53.8	54.1	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 16000	23.0	52.2	52.6	53.7	53.8	53.8	54.1	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 14000	23.0	52.2	52.6	53.7	53.8	53.8	54.1	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 12000	23.1	52.6	53.2	54.1	54.2	54.2	54.5	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	55.1
≥ 10000	24.7	55.9	56.6	57.4	57.5	57.5	57.8	58.0	58.0	58.1	58.1	58.1	58.2	58.2	58.2	58.4
≥ 9000	24.9	56.3	57.0	57.8	58.0	58.0	58.3	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.8
≥ 8000	26.5	60.2	60.9	61.7	61.8	61.8	62.2	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.7
≥ 7000	26.9	61.6	62.3	63.1	63.2	63.2	63.5	63.7	63.7	63.8	63.8	63.8	63.9	63.9	63.9	64.1
≥ 6000	27.1	62.8	63.5	64.4	64.5	64.5	64.8	64.9	64.9	65.1	65.1	65.1	65.2	65.2	65.2	65.4
≥ 5000	27.6	65.5	66.3	67.3	67.5	67.6	68.0	68.1	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.5
≥ 4500	29.9	70.1	71.1	72.0	72.3	72.4	72.7	72.8	72.8	72.9	72.9	72.9	73.1	73.1	73.1	73.3
≥ 4000	30.6	72.5	73.7	74.6	74.9	75.1	75.4	75.5	75.5	75.6	75.6	75.6	75.8	75.8	75.8	76.1
≥ 3500	31.9	75.1	76.3	77.5	77.8	78.2	78.5	78.6	78.6	78.7	78.7	78.7	78.9	78.9	78.9	79.2
≥ 3000	33.0	77.2	78.7	80.0	80.4	80.8	81.2	81.4	81.4	81.5	81.5	81.5	81.8	81.8	81.8	82.2
≥ 2500	33.4	78.4	80.2	81.7	82.3	82.6	83.0	83.3	83.3	83.4	83.4	83.4	83.8	83.8	83.8	84.1
≥ 2000	33.8	79.9	81.8	83.5	84.2	84.5	85.1	85.4	85.4	85.6	85.6	85.6	85.9	85.9	85.9	86.2
≥ 1800	33.8	79.9	81.8	83.5	84.2	84.6	85.3	85.6	85.6	85.8	85.8	85.8	86.1	86.1	86.1	86.5
≥ 1500	34.1	80.3	82.5	84.3	85.1	85.6	86.2	86.6	86.6	86.8	86.8	86.8	87.1	87.1	87.1	87.4
≥ 1200	34.3	81.0	83.2	85.2	85.9	86.5	87.1	87.4	87.4	87.6	87.6	87.6	88.0	88.0	88.0	88.3
≥ 1000	34.5	81.3	83.8	85.7	86.7	87.3	88.1	88.4	88.4	88.7	88.7	88.7	89.0	89.0	89.0	89.4
≥ 900	34.5	81.5	84.1	86.1	87.3	88.0	88.7	89.0	89.0	89.4	89.4	89.4	89.7	89.7	89.7	90.1
≥ 800	34.5	81.7	84.3	86.3	88.0	88.7	89.5	89.8	89.8	90.2	90.2	90.2	90.5	90.5	90.5	91.0
≥ 700	34.5	81.9	84.6	86.9	88.5	89.2	90.0	90.3	90.4	90.9	90.9	90.9	91.2	91.2	91.2	91.6
≥ 600	34.7	82.4	85.2	87.5	89.4	90.1	91.4	91.8	91.9	92.4	92.4	92.4	92.7	92.7	92.7	93.1
≥ 500	34.7	82.4	85.5	88.4	90.4	91.4	93.0	93.7	93.8	94.3	94.4	94.4	94.7	94.7	94.7	95.2
≥ 400	34.7	82.4	85.5	88.7	91.1	92.2	94.1	95.3	95.4	95.9	96.0	96.0	96.3	96.3	96.3	96.8
≥ 300	34.7	82.4	85.5	88.8	91.3	92.6	94.6	95.8	96.0	96.6	96.7	96.7	97.1	97.1	97.1	97.5
≥ 200	34.7	82.4	85.5	88.9	91.4	92.7	95.1	96.2	96.5	97.3	97.6	97.6	98.1	98.1	98.1	98.5
≥ 100	34.7	82.4	85.5	89.0	91.5	92.9	95.4	96.6	96.9	97.8	98.5	98.5	98.9	98.9	98.9	99.9
≥ 0	34.7	82.4	85.5	89.0	91.5	92.9	95.4	96.6	96.9	97.8	98.5	98.5	98.9	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796 MCGUIRE AFB NJ

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	19.1	46.5	47.6	48.8	49.2	49.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8	50.0
≥ 20000	20.9	48.9	50.1	51.3	51.7	51.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.5
≥ 18000	23.9	49.1	50.4	51.6	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.8
≥ 16000	23.9	49.1	50.4	51.6	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.8
≥ 14000	20.9	49.1	50.4	51.6	52.0	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.8
≥ 12000	21.0	49.4	50.6	51.8	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	53.0
≥ 10000	22.3	53.5	54.8	56.0	56.5	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.2
≥ 9000	22.3	53.9	55.2	56.3	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.5
≥ 8000	25.1	57.2	58.6	59.9	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	61.1
≥ 7000	25.1	58.0	59.5	60.8	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.9
≥ 6000	25.1	58.6	60.1	61.4	61.8	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.6
≥ 5000	26.2	61.7	63.3	64.8	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	66.0
≥ 4500	27.3	64.8	66.6	68.1	68.5	68.5	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0	69.2
≥ 4000	28.1	67.3	69.0	70.5	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.9
≥ 3500	29.6	69.8	71.5	73.1	73.7	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.6
≥ 3000	31.0	73.3	75.2	77.1	78.1	78.1	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.9	79.4
≥ 2500	32.7	76.9	79.1	81.2	82.2	82.6	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.7
≥ 2000	34.2	79.5	81.9	83.9	84.9	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5	87.0
≥ 1800	34.2	79.7	82.2	84.2	85.3	86.0	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.8	87.3
≥ 1500	34.2	79.8	82.3	84.4	85.5	86.3	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.7
≥ 1200	34.3	79.9	82.4	84.5	85.6	86.5	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.8
≥ 1000	34.4	80.5	83.0	85.4	86.6	87.7	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8	89.4
≥ 900	34.4	80.9	83.4	86.0	87.2	88.5	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.6	90.2
≥ 800	34.4	80.9	83.7	86.3	87.5	88.8	89.6	89.8	89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.6
≥ 700	34.4	81.1	83.9	86.6	88.4	89.7	90.4	90.8	90.9	91.0	91.1	91.1	91.1	91.1	91.2	91.8
≥ 600	34.4	81.3	84.2	87.1	89.0	90.3	91.3	91.6	91.8	92.2	92.3	92.3	92.4	92.4	92.5	93.1
≥ 500	34.4	81.3	84.6	88.1	90.5	91.9	93.4	93.8	94.0	94.3	94.5	94.5	94.7	94.7	94.8	95.5
≥ 400	34.4	81.5	84.9	88.4	91.3	93.0	94.6	95.1	95.3	95.8	96.0	96.0	96.2	96.2	96.3	97.0
≥ 300	34.4	81.5	84.9	88.5	91.5	93.2	94.9	95.5	95.7	96.6	96.8	96.8	97.0	97.0	97.2	97.8
≥ 200	34.4	81.5	84.9	88.6	91.6	93.3	95.4	95.9	96.3	97.2	97.7	97.7	98.1	98.1	98.4	99.2
≥ 100	34.4	81.5	84.9	88.6	91.6	93.3	95.4	95.9	96.3	97.2	97.8	97.8	98.2	98.3	98.8	100.0
≥ 0	34.4	81.5	84.9	88.6	91.6	93.3	95.4	95.9	96.3	97.2	97.8	97.8	98.2	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724296
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-0800
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	17.5	43.4	44.5	45.4	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.2	46.2	46.3
≥ 20000	18.7	47.5	48.8	49.8	50.4	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.1
≥ 18000	18.8	47.7	49.0	50.0	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2	51.3
≥ 16000	18.8	47.7	49.0	50.0	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2	51.3
≥ 14000	19.1	48.3	49.8	50.8	51.4	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.9	51.9	52.0
≥ 12000	19.5	49.2	50.8	51.7	52.4	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	53.0
≥ 10000	20.4	52.4	53.9	54.8	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.1	56.2
≥ 9000	20.5	52.7	54.2	55.2	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.5	56.5	56.6
≥ 8000	23.2	57.3	58.9	59.9	60.8	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.4	61.4	61.5
≥ 7000	23.5	58.1	59.9	60.9	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.2	62.4	62.4	62.5
≥ 6000	23.9	58.8	60.6	61.6	62.5	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.1	63.1	63.2
≥ 5000	24.7	62.2	64.2	65.2	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.5	66.7	66.7	66.8
≥ 4500	26.6	65.7	68.0	69.0	69.9	70.0	70.2	70.2	70.2	70.2	70.3	70.4	70.4	70.6	70.6	70.8
≥ 4000	27.2	67.0	69.5	70.6	71.9	72.0	72.3	72.4	72.4	72.5	72.6	72.7	72.7	72.9	72.9	73.0
≥ 3500	28.1	68.8	71.4	72.7	74.4	74.6	74.9	75.1	75.2	75.3	75.4	75.4	75.4	75.6	75.6	75.7
≥ 3000	29.0	71.8	74.6	76.1	77.8	78.1	78.4	78.5	78.6	78.7	78.8	78.8	78.8	79.0	79.0	79.1
≥ 2500	29.7	73.5	76.3	78.0	79.7	80.0	80.4	80.6	80.8	80.9	81.0	81.0	81.0	81.2	81.2	81.3
≥ 2000	30.6	75.3	78.3	80.2	82.0	82.4	82.8	83.1	83.2	83.3	83.4	83.4	83.4	83.7	83.7	83.8
≥ 1800	31.1	75.7	79.0	81.0	82.8	83.1	83.5	83.9	84.0	84.1	84.2	84.2	84.2	84.4	84.4	84.5
≥ 1500	31.2	76.5	80.0	81.9	83.8	84.1	84.6	84.9	85.1	85.2	85.3	85.3	85.3	85.5	85.5	85.6
≥ 1200	31.3	77.3	81.1	83.1	85.2	85.5	86.1	86.5	86.6	86.7	86.8	86.8	86.8	87.0	87.0	87.2
≥ 1000	31.3	78.2	82.6	85.1	87.6	88.1	88.7	89.0	89.1	89.2	89.4	89.4	89.4	89.6	89.6	89.8
≥ 900	31.3	78.4	82.9	85.5	88.4	88.8	89.5	89.8	89.9	90.0	90.1	90.1	90.1	90.3	90.3	90.5
≥ 800	31.4	79.2	84.0	86.6	89.6	90.0	90.6	91.0	91.2	91.3	91.4	91.4	91.4	91.6	91.6	91.8
≥ 700	31.4	79.4	84.4	87.1	90.2	90.9	91.5	91.8	92.0	92.2	92.3	92.3	92.3	92.5	92.5	92.7
≥ 600	31.4	79.5	84.6	87.5	90.6	91.3	91.9	92.3	92.5	92.6	92.7	92.7	92.7	92.9	92.9	93.0
≥ 500	31.4	79.7	85.2	88.3	91.8	92.7	93.8	94.3	94.5	94.6	94.7	94.7	94.7	94.9	94.9	95.1
≥ 400	31.4	79.9	85.8	89.1	93.1	94.2	95.3	95.9	96.1	96.2	96.3	96.3	96.3	96.6	96.6	96.9
≥ 300	31.4	79.9	85.8	89.2	93.3	94.5	95.6	96.6	96.8	97.1	97.3	97.3	97.3	97.5	97.5	98.0
≥ 200	31.4	79.9	85.8	89.2	93.3	94.6	95.8	96.9	97.4	97.7	98.1	98.1	98.1	98.4	98.4	99.0
≥ 100	31.4	79.9	85.8	89.2	93.3	94.6	95.8	96.9	97.4	98.0	98.3	98.3	98.3	98.6	98.6	99.9
≥ 0	31.4	79.9	85.8	89.2	93.3	94.6	95.8	96.9	97.4	98.0	98.3	98.3	98.3	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724196

MCGUIRE AFB NJ

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	17.2	39.8	40.7	40.3	40.8	40.6	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 20000	19.2	47.5	49.4	48.4	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	19.7	48.0	49.8	48.8	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000	19.7	48.0	48.8	48.8	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000	19.9	48.2	49.7	49.0	49.7	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 12000	20.9	49.7	50.5	50.5	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	22.9	54.5	55.7	55.7	56.3	56.3	56.3	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	23.0	54.9	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 8000	24.3	59.7	61.0	61.0	61.7	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	25.4	60.5	61.9	61.8	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 6000	25.6	61.3	62.6	62.6	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	26.1	64.8	66.2	66.2	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4500	27.2	67.3	68.9	68.9	69.7	69.7	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4000	29.3	69.7	71.6	71.7	72.7	72.7	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	29.6	72.6	74.8	75.2	76.5	76.8	77.1	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	30.0	74.8	77.5	78.0	79.4	79.8	80.4	80.5	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	30.5	76.3	79.1	79.8	81.3	81.8	82.5	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2000	30.9	77.4	80.2	81.0	82.8	83.4	84.2	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1800	31.1	77.7	80.5	81.4	83.2	83.9	84.6	84.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 1500	31.3	73.4	81.4	82.6	84.4	85.1	85.8	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.3
≥ 1200	31.5	79.4	82.5	83.8	85.6	86.3	87.2	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 1000	31.6	80.0	83.3	84.8	86.9	87.6	88.5	88.8	88.9	89.2	89.2	89.4	89.4	89.4	89.4	89.5
≥ 900	31.6	80.3	83.8	85.3	87.3	88.4	89.5	89.8	89.9	90.2	90.2	90.2	90.3	90.3	90.3	90.4
≥ 800	31.6	80.3	83.8	85.5	87.7	88.8	90.0	90.3	90.4	90.9	90.9	90.9	91.0	91.0	91.0	91.1
≥ 700	31.6	80.6	84.1	85.8	88.8	90.2	91.4	91.7	91.8	92.3	92.3	92.3	92.4	92.4	92.4	92.5
≥ 600	31.6	80.9	84.3	86.2	89.6	91.1	92.5	92.8	92.9	93.3	93.3	93.3	93.4	93.5	93.5	93.9
≥ 500	31.6	81.1	84.5	86.5	90.0	91.8	93.7	94.2	94.4	95.2	95.2	95.2	95.4	95.6	95.6	95.9
≥ 400	31.6	81.3	84.7	86.8	90.4	92.4	94.3	94.8	95.1	95.8	95.9	95.9	96.1	96.5	96.5	96.8
≥ 300	31.6	81.3	84.7	86.9	90.8	92.8	94.9	95.6	95.9	96.9	97.3	97.3	97.6	98.0	98.0	98.4
≥ 200	31.6	81.3	84.7	86.9	90.8	92.8	94.9	95.6	96.0	97.0	97.5	97.5	98.3	98.7	99.0	99.5
≥ 100	31.6	81.3	84.7	86.9	90.8	92.8	94.9	95.6	96.0	97.0	97.5	97.5	98.3	98.7	99.2	99.9
≥ 0	31.6	81.3	84.7	86.9	90.8	92.8	94.9	95.6	96.0	97.0	97.5	97.5	98.3	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 931

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496

MCGUIRE AFB NJ

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	17.3	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 20000	23.4	48.9	49.1	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 18000	20.6	49.4	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 16000	23.6	49.4	49.6	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 14000	20.3	49.5	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 12000	21.6	51.2	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	23.8	55.3	55.5	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 9000	23.9	55.9	56.1	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	25.4	60.5	60.8	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000	26.7	61.9	62.2	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 6000	27.1	62.8	63.0	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	28.0	65.7	66.0	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4500	29.5	68.3	68.6	68.9	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	32.0	71.2	71.5	71.8	72.0	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 3500	31.8	75.7	76.0	76.5	76.7	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 3000	33.3	78.9	79.0	80.1	80.3	81.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	33.5	80.2	80.8	81.5	81.7	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2000	33.5	81.7	82.5	83.4	83.7	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	33.5	91.9	82.7	83.8	84.0	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	33.7	83.2	84.2	85.4	86.0	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	33.8	84.3	85.4	86.6	87.3	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	34.0	84.8	86.1	87.4	88.7	89.6	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	34.1	85.2	86.5	88.0	89.2	90.3	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 800	34.2	85.5	86.8	88.3	89.8	91.2	91.9	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 700	34.3	85.7	87.1	88.6	90.2	91.8	92.7	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	34.3	85.7	87.1	88.6	90.6	92.5	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 500	34.3	85.9	87.3	88.8	91.0	93.0	93.9	94.8	95.3	95.6	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	34.3	86.0	87.5	89.2	91.4	93.8	95.2	96.1	97.0	97.7	97.8	97.8	97.8	98.1	98.1	98.1
≥ 300	34.3	86.0	87.5	89.2	91.5	93.9	95.4	96.5	97.3	98.5	98.6	98.6	98.6	98.8	98.8	98.8
≥ 200	34.3	86.0	87.5	89.4	91.6	94.0	95.5	96.7	97.5	98.9	99.1	99.2	99.4	99.6	99.8	99.8
≥ 100	34.3	86.0	87.5	89.4	91.6	94.0	95.5	96.7	97.5	98.9	99.1	99.2	99.4	99.6	99.9	100.0
≥ 0	34.3	86.0	87.5	89.4	91.6	94.0	95.5	96.7	97.5	98.9	99.1	99.2	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72496 MCGUIRE AFB NJ

73-82

REC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	17.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 20000	23.9	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 18000	21.4	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 16000	21.4	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	21.9	51.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 12000	22.3	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 10000	23.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	24.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000	25.4	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	25.1	61.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	26.3	62.5	62.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	27.4	65.2	65.4	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4500	28.5	68.5	68.7	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	29.4	72.0	72.4	72.8	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3500	31.4	76.0	76.5	77.1	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	32.2	78.4	78.9	79.6	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	32.7	80.2	80.8	81.6	82.7	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	33.1	81.3	81.9	83.0	84.1	84.4	84.5	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1800	33.3	82.2	82.8	83.9	84.9	85.3	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1600	34.1	84.1	84.9	86.1	87.3	87.6	87.7	88.0	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1400	34.1	84.4	85.6	86.8	88.0	88.3	88.4	88.6	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	34.4	84.8	86.3	87.5	89.0	89.9	90.1	90.5	90.5	90.5	90.9	90.9	90.9	91.0	91.0	91.0
≥ 1000	34.4	85.4	87.0	88.2	89.7	90.5	90.8	91.3	91.3	91.3	91.7	91.7	91.7	91.8	91.8	91.8
≥ 900	34.6	85.9	87.5	88.7	90.4	91.5	91.7	92.3	92.3	92.3	92.7	92.7	92.7	92.8	92.8	92.8
≥ 800	34.7	86.0	87.6	89.0	91.2	92.3	92.7	93.2	93.2	93.5	94.0	94.0	94.0	94.1	94.1	94.1
≥ 700	34.3	86.1	87.8	89.2	91.6	92.9	93.9	94.4	94.4	94.7	95.2	95.2	95.2	95.3	95.3	95.3
≥ 600	34.3	86.1	87.9	89.4	91.8	93.9	95.1	95.9	96.1	96.6	97.0	97.0	97.0	97.1	97.1	97.1
≥ 500	34.9	86.2	88.3	89.5	92.0	94.3	95.5	96.5	96.7	97.2	97.6	97.6	97.6	97.7	97.7	97.7
≥ 400	34.9	86.2	88.3	89.5	92.0	94.4	95.7	96.7	97.1	97.8	98.4	98.5	98.6	98.7	98.7	98.7
≥ 300	34.7	86.2	88.0	89.5	92.0	94.5	95.8	96.8	97.2	98.3	98.9	99.0	99.2	99.5	99.7	99.8
≥ 200	34.7	86.2	88.0	89.5	92.0	94.5	95.8	96.8	97.2	98.3	98.9	99.0	99.2	99.5	99.7	99.8
≥ 100	34.7	86.2	88.0	89.5	92.0	94.5	95.8	96.8	97.2	98.3	98.9	99.0	99.2	99.5	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

70496

MCGUIRE AFB NJ

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1300-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.0	48.6	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 20000	22.0	53.1	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 18000	22.0	53.1	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 16000	22.0	53.1	53.2	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 14000	22.3	53.4	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 12000	22.6	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 10000	23.6	57.4	57.5	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 9000	23.9	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 8000	25.3	61.2	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 7000	26.3	62.3	62.4	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	27.6	65.0	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	28.4	66.6	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 4500	30.0	70.4	70.6	70.8	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	30.5	72.6	72.8	73.2	73.7	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	31.3	74.5	74.7	75.1	75.8	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 3000	31.9	77.2	77.5	78.0	78.7	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 2500	32.4	79.2	79.6	80.6	81.5	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2000	33.0	80.8	81.5	82.7	83.5	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	33.0	81.0	81.7	82.9	83.7	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1500	33.4	81.6	82.2	83.6	84.6	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	33.4	81.8	82.4	84.1	85.0	85.9	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1000	33.9	82.9	83.9	85.8	86.7	87.6	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 900	34.1	83.2	84.5	86.5	87.9	88.8	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	34.1	83.4	84.8	87.4	89.1	90.4	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 700	34.2	83.5	85.1	87.9	90.1	91.5	92.1	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6
≥ 600	34.2	83.5	85.5	88.6	91.1	92.6	93.2	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	34.2	83.9	86.1	89.3	92.5	94.2	95.0	95.5	95.5	95.6	95.7	95.7	95.8	95.8	95.8	95.8
≥ 400	34.2	83.9	86.1	89.5	93.0	94.7	95.8	96.6	96.6	96.7	96.8	96.8	96.9	96.9	96.9	96.9
≥ 300	34.2	83.9	86.2	89.8	93.3	95.0	96.3	97.1	97.3	97.5	97.6	97.7	97.8	97.8	97.8	97.8
≥ 200	34.2	83.9	86.2	89.8	93.3	95.4	96.7	97.6	98.0	98.4	98.5	98.6	98.8	98.8	99.0	99.1
≥ 100	34.2	83.9	86.2	89.8	93.3	95.4	96.8	97.7	98.1	98.6	98.8	99.0	99.4	99.4	99.6	100.0
≥ 0	34.2	83.9	86.2	89.8	93.3	95.4	96.8	97.7	98.1	98.6	98.8	99.0	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724196

MCGUIRE AFB NJ

73-82

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	23.5	48.1	43.4	48.5	48.5	46.5	48.8	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.1
≥ 20000	22.0	53.1	53.4	53.5	53.5	53.5	53.7	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.2	54.2
≥ 18000	22.0	53.1	53.4	53.5	53.5	53.5	53.7	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.2	54.2
≥ 16000	22.0	53.1	53.4	53.5	53.5	53.5	53.7	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.2	54.2
≥ 14000	22.0	53.1	53.4	53.5	53.5	53.5	53.7	53.7	53.7	53.8	53.9	53.9	54.0	54.0	54.2	54.2
≥ 12000	22.7	53.7	54.0	54.2	54.2	54.2	54.4	54.4	54.4	54.5	54.6	54.6	54.7	54.7	54.8	54.8
≥ 10000	24.4	57.8	58.1	58.3	58.3	58.3	58.5	58.5	58.5	58.6	58.7	58.7	58.8	58.8	58.9	58.9
≥ 9000	24.9	58.4	58.7	58.8	58.8	58.8	59.0	59.0	59.0	59.1	59.2	59.2	59.3	59.3	59.4	59.4
≥ 8000	25.6	61.5	61.8	61.9	61.9	61.9	62.1	62.1	62.1	62.2	62.4	62.4	62.5	62.5	62.6	62.6
≥ 7000	27.1	63.0	63.3	63.4	63.4	63.4	63.6	63.6	63.6	63.8	63.9	63.9	64.0	64.0	64.1	64.1
≥ 6000	23.2	64.8	65.2	65.3	65.3	65.3	65.5	65.5	65.5	65.6	65.7	65.7	65.8	65.8	65.9	65.9
≥ 5000	29.1	66.9	67.2	67.3	67.3	67.3	67.5	67.5	67.5	67.6	67.7	67.7	67.9	67.9	68.0	68.0
≥ 4500	30.9	70.6	70.9	71.1	71.1	71.4	71.6	71.6	71.6	71.7	71.8	71.8	72.0	72.0	72.1	72.1
≥ 4000	31.2	72.6	73.0	73.2	73.4	73.7	73.9	74.0	74.0	74.1	74.2	74.2	74.3	74.3	74.4	74.4
≥ 3500	31.5	73.7	74.2	74.4	74.6	75.1	75.3	75.4	75.4	75.5	75.6	75.6	75.7	75.7	75.8	75.8
≥ 3000	31.7	76.2	77.1	77.9	78.2	78.6	78.9	79.1	79.2	79.4	79.5	79.5	79.6	79.6	79.7	79.7
≥ 2500	32.4	78.0	79.0	79.8	80.2	80.6	80.8	81.0	81.1	81.3	81.4	81.4	81.6	81.6	81.7	81.7
≥ 2000	33.1	79.9	81.0	81.9	82.4	82.8	83.4	83.6	83.7	83.9	84.0	84.0	84.1	84.1	84.3	84.3
≥ 1800	33.1	80.2	81.2	82.2	82.7	83.2	83.7	83.9	84.0	84.3	84.4	84.4	84.5	84.5	84.6	84.6
≥ 1500	33.3	80.9	82.0	83.3	84.0	84.5	85.2	85.4	85.5	85.8	86.0	86.0	86.1	86.1	86.2	86.2
≥ 1200	33.5	81.6	82.6	84.1	85.1	85.7	86.4	86.6	86.7	86.9	87.2	87.2	87.3	87.3	87.4	87.4
≥ 1000	33.3	82.1	83.2	84.7	85.7	86.2	86.9	87.2	87.3	87.5	87.7	87.7	87.8	87.8	87.9	87.9
≥ 900	33.9	82.2	83.6	85.2	86.5	87.1	87.8	88.2	88.3	88.7	88.9	88.9	89.0	89.0	89.1	89.1
≥ 800	33.9	82.4	84.4	86.2	87.6	88.1	89.0	89.4	89.5	89.9	90.1	90.1	90.2	90.2	90.3	90.3
≥ 700	33.9	83.3	85.0	86.9	88.8	89.5	90.4	90.8	90.9	91.3	91.5	91.5	91.6	91.6	91.7	91.7
≥ 600	34.0	83.5	85.7	87.6	89.9	90.8	91.8	92.2	92.3	92.7	92.9	92.9	93.0	93.0	93.1	93.1
≥ 500	34.0	83.6	86.3	88.3	90.7	91.7	93.3	93.7	93.9	94.3	94.5	94.5	94.8	94.8	94.9	94.9
≥ 400	34.0	83.8	86.8	89.0	91.6	92.8	94.7	95.1	95.3	95.8	96.0	96.0	96.3	96.3	96.4	96.4
≥ 300	34.0	83.9	86.9	89.1	91.7	92.9	95.3	96.0	96.2	96.9	97.1	97.1	97.4	97.4	97.5	97.5
≥ 200	34.0	83.9	87.1	89.2	91.8	93.0	95.6	96.3	96.8	97.4	97.8	97.8	98.3	98.3	98.7	98.7
≥ 100	34.0	83.9	87.1	89.2	91.8	93.0	95.6	96.7	97.1	97.8	98.3	98.3	99.0	99.0	99.5	99.9
≥ 0	34.0	83.9	87.1	89.2	91.8	93.0	95.6	96.7	97.1	97.8	98.3	98.3	99.0	99.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724096
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	18.9	44.7	45.2	45.6	45.8	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.1	46.1	46.1	46.1
≥ 20000	20.9	50.1	50.7	51.1	51.3	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.7	51.7
≥ 18000	21.0	50.3	50.9	51.3	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.0
≥ 16000	21.0	50.3	50.9	51.3	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.0
≥ 14000	21.2	50.6	51.2	51.6	51.8	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.2	52.2
≥ 12000	21.7	51.5	52.1	52.5	52.8	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.2
≥ 10000	23.3	55.4	56.0	56.5	56.7	56.7	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.1	57.1
≥ 9000	23.5	55.8	56.5	56.9	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.6
≥ 8000	25.3	59.7	60.4	60.9	61.2	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.6
≥ 7000	25.8	60.9	61.6	62.1	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.8	62.8
≥ 6000	26.3	62.1	62.8	63.3	63.6	63.7	63.8	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0
≥ 5000	27.2	64.8	65.7	66.2	66.5	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	67.0
≥ 4500	28.7	68.2	69.2	69.7	70.1	70.2	70.4	70.4	70.4	70.5	70.5	70.5	70.6	70.6	70.6	70.7
≥ 4000	29.4	70.6	71.7	72.3	72.9	73.0	73.3	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.6
≥ 3500	30.6	73.3	74.4	75.2	75.9	76.2	76.4	76.5	76.5	76.6	76.6	76.6	76.7	76.7	76.7	76.8
≥ 3000	31.5	76.0	77.4	78.3	79.2	79.5	79.9	80.0	80.0	80.1	80.1	80.1	80.2	80.2	80.2	80.3
≥ 2500	32.2	77.8	79.4	80.5	81.4	81.8	82.2	82.3	82.4	82.4	82.5	82.5	82.6	82.6	82.6	82.7
≥ 2000	32.9	79.5	81.1	82.4	83.5	84.0	84.4	84.6	84.6	84.7	84.8	84.8	84.9	84.9	84.9	85.0
≥ 1800	32.9	79.8	81.5	82.9	83.9	84.4	84.9	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.4
≥ 1500	33.2	80.6	82.4	84.0	85.1	85.7	86.2	86.4	86.4	86.5	86.6	86.6	86.7	86.7	86.7	86.8
≥ 1200	33.3	81.2	83.1	84.8	86.0	86.6	87.2	87.4	87.4	87.5	87.6	87.6	87.7	87.7	87.7	87.8
≥ 1000	33.5	81.8	84.0	85.8	87.2	88.0	88.6	88.9	89.0	89.1	89.2	89.2	89.3	89.3	89.3	89.4
≥ 900	33.5	82.1	84.5	86.3	87.9	88.8	89.5	89.8	89.9	90.0	90.1	90.1	90.2	90.2	90.3	90.4
≥ 800	33.6	82.4	84.9	86.9	88.7	89.7	90.4	90.8	90.9	91.0	91.1	91.1	91.2	91.2	91.3	91.4
≥ 700	33.6	82.6	85.2	87.4	89.5	90.6	91.4	91.8	91.9	92.1	92.2	92.2	92.3	92.3	92.4	92.5
≥ 600	33.7	82.9	85.5	87.8	90.2	91.4	92.4	92.8	92.9	93.2	93.3	93.3	93.4	93.4	93.5	93.7
≥ 500	33.7	83.0	85.9	88.4	91.1	92.6	93.9	94.5	94.7	95.1	95.2	95.2	95.4	95.4	95.5	95.7
≥ 400	33.7	83.1	86.2	88.8	91.7	93.4	94.9	95.7	95.9	96.4	96.6	96.6	96.7	96.8	96.9	97.1
≥ 300	33.7	83.1	86.2	88.9	91.9	93.7	95.3	96.2	96.5	97.2	97.5	97.5	97.7	97.8	97.9	98.1
≥ 200	33.7	83.1	86.2	88.9	92.0	93.8	95.6	96.5	97.0	97.8	98.2	98.2	98.6	98.7	98.9	99.2
≥ 100	33.7	83.1	86.2	88.9	92.0	93.8	95.6	96.6	97.1	98.0	98.4	98.5	98.9	99.0	99.4	99.9
≥ 0	33.7	83.1	86.2	88.9	92.0	93.8	95.6	96.6	97.1	98.0	98.4	98.5	98.9	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
ATMOSPHERIC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

724796

MCGUIRE AFB NJ

73-82

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	18.5	45.2	47.1	48.3	49.3	49.6	49.9	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.3
≥ 20000	20.5	51.0	53.3	54.9	56.0	56.4	56.7	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.2
≥ 18000	20.7	51.2	53.6	55.1	56.2	56.6	57.0	57.1	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.5
≥ 16000	20.7	51.3	53.6	55.2	56.3	56.7	57.0	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.5	57.5
≥ 14000	20.3	51.6	53.9	55.5	56.7	57.0	57.4	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.9
≥ 12000	21.4	52.6	55.0	56.7	57.8	58.2	58.6	58.7	58.8	58.9	58.9	58.9	59.0	59.0	59.0	59.1
≥ 10000	22.4	55.8	58.5	60.2	61.6	62.0	62.4	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.9	62.9
≥ 9000	22.6	56.4	59.1	60.9	62.2	62.6	63.0	63.2	63.2	63.3	63.4	63.4	63.5	63.5	63.5	63.6
≥ 8000	23.3	59.6	62.6	64.5	66.0	66.4	66.9	67.1	67.1	67.2	67.3	67.3	67.4	67.4	67.4	67.5
≥ 7000	24.3	60.7	63.8	65.7	67.3	67.8	68.2	68.4	68.5	68.6	68.6	68.6	68.7	68.7	68.8	68.8
≥ 6000	24.7	61.6	64.7	66.7	68.2	68.7	69.2	69.4	69.5	69.6	69.6	69.7	69.7	69.7	69.8	69.9
≥ 5000	25.3	63.6	66.8	68.9	70.5	71.1	71.6	71.8	71.9	72.0	72.0	72.1	72.1	72.2	72.2	72.2
≥ 4500	26.0	65.7	69.1	71.3	73.0	73.6	74.1	74.3	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.8
≥ 4000	26.6	67.8	71.4	73.8	75.6	76.2	76.8	77.0	77.1	77.2	77.3	77.3	77.4	77.4	77.4	77.5
≥ 3500	27.2	69.8	73.6	76.1	78.1	78.8	79.4	79.6	79.7	79.8	79.9	79.9	80.0	80.0	80.0	80.1
≥ 3000	27.8	71.9	75.7	78.7	80.9	81.6	82.3	82.6	82.6	82.8	82.9	82.9	83.0	83.0	83.0	83.1
≥ 2500	28.1	73.1	77.3	80.1	82.4	83.2	83.9	84.2	84.2	84.4	84.5	84.5	84.6	84.6	84.7	84.7
≥ 2000	28.5	74.1	78.4	81.4	83.8	84.6	85.4	85.7	85.8	85.9	86.0	86.1	86.1	86.1	86.2	86.3
≥ 1800	29.6	74.3	79.7	81.7	84.2	84.9	85.7	86.0	86.1	86.3	86.4	86.4	86.5	86.5	86.5	86.6
≥ 1500	28.8	75.2	79.7	82.8	85.4	86.3	87.1	87.4	87.5	87.7	87.8	87.8	87.9	87.9	88.0	88.1
≥ 1200	28.9	75.7	80.4	83.5	86.3	87.2	88.1	88.4	88.5	88.7	88.8	88.8	88.9	88.9	89.0	89.1
≥ 1000	29.3	76.2	81.1	84.4	87.3	88.3	89.3	89.8	89.8	90.1	90.2	90.2	90.3	90.3	90.4	90.5
≥ 900	29.1	76.4	81.4	84.8	87.8	88.9	89.9	90.4	90.5	90.7	90.8	90.9	90.9	91.0	91.0	91.1
≥ 800	29.1	76.7	81.7	85.2	88.4	89.5	90.6	91.1	91.2	91.5	91.7	91.7	91.8	91.8	91.9	92.0
≥ 700	29.1	76.9	82.1	85.7	89.1	90.3	91.5	92.0	92.1	92.4	92.6	92.6	92.7	92.8	92.8	92.9
≥ 600	29.1	77.1	82.3	86.1	89.7	91.0	92.3	92.9	93.0	93.3	93.5	93.6	93.7	93.7	93.8	93.9
≥ 500	29.1	77.2	82.7	86.6	90.5	92.0	93.5	94.3	94.4	94.8	95.1	95.1	95.2	95.3	95.4	95.5
≥ 400	29.1	77.3	82.8	86.8	91.0	92.6	94.4	95.3	95.5	96.0	96.2	96.3	96.5	96.5	96.6	96.7
≥ 300	29.1	77.4	82.9	87.0	91.2	92.9	94.9	96.0	96.3	96.9	97.2	97.3	97.5	97.6	97.7	97.9
≥ 200	29.2	77.4	82.9	87.0	91.3	93.0	95.1	96.4	96.7	97.4	97.9	98.0	98.4	98.5	98.8	99.1
≥ 100	29.2	77.4	82.9	87.0	91.3	93.0	95.1	96.4	96.8	97.5	98.1	98.2	98.6	98.8	99.2	99.8
≥ 0	29.2	77.4	82.9	87.0	91.3	93.0	95.1	96.4	96.8	97.5	98.1	98.2	98.6	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 87628

USAF ETAC FORM 0-14.5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

SKY COVER

JAN
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02	26.6			19.4						13.4	40.6	5.9	930
	03-05	23.9			16.6						13.0	41.5	5.8	930
	06-08	18.1			22.2						18.8	41.0	6.5	930
	09-11	11.8			24.5						19.8	43.9	6.9	930
	12-14	9.4			24.0						24.1	43.5	7.2	930
	15-17	8.6			26.2						22.7	42.5	7.1	930
	18-20	18.2			26.9						15.7	39.2	6.1	930
	21-23	24.1			21.2						15.7	39.0	5.0	930
TOTALS		18.1			22.6						17.9	41.4	6.4	7440

SKY COVER

73-82

FEB
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02	33.7			17.2						12.2	36.9	5.3	843
	03-05	31.9			19.3						12.6	36.3	5.3	844
	06-08	20.2			25.3						17.4	37.1	6.0	846
	09-11	14.2			27.9						18.3	39.5	6.4	845
	12-14	11.6			29.5						18.1	40.8	6.6	845
	15-17	11.3			27.1						23.2	38.4	6.7	846
	18-20	20.1			29.1						15.1	35.7	5.8	846
	21-23	31.2			21.8						13.5	33.5	5.2	845
TOTALS		21.3			24.7						16.3	37.3	5.9	6760

SKY COVER

MAR
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	23.3			17.7						11.9	42.0	5.8	930
	03-05	28.0			15.7						13.8	42.5	6.0	929
	06-08	15.8			21.9						17.8	44.6	6.7	929
	09-11	11.2			22.4						20.6	45.8	7.1	930
	12-14	6.5			22.6						23.3	47.6	7.5	932
	15-17	6.8			24.6						25.8	42.8	7.3	930
	18-20	14.1			24.4						20.8	40.7	6.7	929
	21-23	24.4			21.1						14.2	40.3	5.9	930
TOTALS		16.9			21.3						18.5	43.3	6.6	7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

724796
STATION

MCGUIRE AFB NJ

73-82

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AP=	00-02	32.1			21.3						13.2	33.3	5.2	900
	03-05	27.8			22.8						14.4	35.0	5.5	900
	06-08	19.7			25.6						20.7	35.1	6.1	900
	09-11	15.4			26.0						24.3	34.2	6.4	900
	12-14	11.6			29.1						22.6	36.8	6.6	900
	15-17	12.0			24.9						25.4	37.7	6.8	900
	18-20	15.4			29.1						19.6	35.9	6.2	900
	21-23	23.6			25.0						12.1	34.3	5.3	899

USAFETAC

FORM 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAY
MON

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	23.1			21.6						16.3	39.0	6.0	918
	03-05	16.6			24.8						19.7	39.0	6.4	924
	06-08	12.6			22.6						20.3	44.5	7.0	926
	09-11	9.6			25.7						22.9	42.7	7.1	929
	12-14	3.8			24.4						29.0	42.8	7.6	930
	15-17	3.5			25.7						30.8	40.0	7.5	930
	18-20	5.7			27.1						27.7	39.5	7.3	930
	21-23	15.2			25.6						21.0	38.1	6.5	928
TOTALS		11.1			24.7						23.5	40.7	6.9	7415

SKY COVER

JUN
MONT

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	21.7			22.1						20.2	36.1	6.1	893
	03-05	14.8			25.2						21.9	38.1	6.5	893
	06-08	12.8			25.2						22.1	39.9	6.7	894
	09-11	9.6			29.2						24.9	36.3	6.7	897
	12-14	3.6			29.6						32.7	34.2	7.2	900
	15-17	3.4			28.9						35.4	32.3	7.3	899
	18-20	5.9			33.5						25.8	34.8	6.8	899
	21-23	17.7			28.7						20.1	33.6	6.0	897
TOTALS		11.2			27.8						25.4	35.7	6.7	7172

SKY COVER

 MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	25.5			25.1						19.3	30.1	5.5	917
	03-05	17.0			29.0						20.0	34.0	6.1	916
	06-08	14.4			30.1						24.0	31.5	6.2	914
	09-11	10.2			34.4						25.8	29.6	6.3	919
	12-14	3.2			34.6						31.5	30.7	6.9	929
	15-17	3.8			34.3						32.8	29.1	6.9	930
	18-20	9.0			32.4						29.9	28.8	6.5	927
	21-23	20.3			31.8						21.5	26.5	5.5	922
TOTALS		12.9			31.5						25.6	30.0	6.2	7374

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

724196
STATION

MCGUIRE AFB NJ

73-82

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	22.5			23.1						19.9	34.5	5.9	913
	03-05	18.8			25.5						19.5	36.2	6.1	911
	06-08	12.3			26.2						25.1	36.4	6.7	909
	09-11	10.1			29.4						30.0	32.5	6.6	921
	12-14	2.9			30.3						35.3	31.5	7.2	927
	15-17	3.0			31.3						33.3	32.4	7.2	924
	18-20	7.8			32.1						29.0	31.1	6.7	924
	21-23	19.4			26.9						23.8	29.9	5.9	925
TOTALS		12.1			28.1						27.2	32.8	6.5	7154

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

73-82

SEP
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	03-02	27.1			25.5						12.0	35.4	5.4	885
	03-05	24.5			27.0						16.7	31.8	5.5	886
	06-08	12.4			28.8						22.4	36.4	6.5	882
	09-11	10.3			31.1						24.2	34.3	6.5	891
	12-14	3.6			37.0						26.9	32.5	6.8	898
	15-17	4.9			34.9						29.1	31.2	6.8	898
	18-20	12.2			31.5						23.6	32.7	6.3	893
	21-23	24.3			25.0						19.1	31.6	5.6	889
TOTALS		14.9			30.1						21.8	33.2	6.2	7122

SKY COVER

73-82

OCT
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	34.0			12.9						12.9	33.2	5.1	924
	03-05	34.1			18.9						13.7	33.3	5.1	921
	06-08	18.6			30.9						20.3	30.2	5.8	926
	09-11	15.1			33.9						23.7	27.3	5.9	928
	12-14	10.8			31.6						27.1	30.5	6.4	929
	15-17	10.2			30.8						31.3	27.7	6.5	928
	18-20	22.6			29.3						20.8	27.3	5.5	926
	21-23	34.1			20.8						17.6	27.5	5.0	921
TOTALS		22.4			27.0						20.9	29.6	5.7	7403

724096
STATION

MCGUIRE AFB NJ

73-82

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	28.1			20.5						14.2	37.2	5.6	887
	03-05	29.2			18.8						12.8	39.2	5.6	888
	06-08	15.2			26.5						22.5	35.8	6.4	896
	09-11	10.3			26.9						26.1	36.8	6.8	897
	12-14	8.0			27.8						27.6	36.7	7.0	900
	15-17	9.1			27.9						25.7	37.3	5.9	900
	18-20	21.6			23.0						18.7	36.7	6.0	899
	21-23	25.3			22.7						15.4	36.6	5.7	897
TOTALS		13.4			24.3						20.4	37.0	6.3	7164

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

724296
STATION

MCGUIRE AFB NJ

73-82

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	27.7			18.3						12.6	41.3	5.8	927
	03-05	25.9			18.7						14.7	40.6	5.9	925
	06-08	16.6			25.0						17.8	40.7	6.4	929
	09-11	10.9			23.5						21.9	43.7	7.0	930
	12-14	6.8			26.0						22.9	44.3	7.3	930
	15-17	8.5			26.8						21.7	43.0	7.1	930
	18-20	20.0			25.6						12.1	42.2	5.1	928
	21-23	26.9			19.0						13.9	40.2	5.8	927
TOTALS		17.9			22.9						17.2	42.0	6.4	7426

USAFETAC

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAC

SKY COVER

724096 MCGUIRE AFB NJ 73-82 ALL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	13.1			22.6						17.9	41.4	6.4	7440
FEB		21.8			24.7						16.3	37.3	5.9	6760
MAR		16.9			21.3						18.5	43.3	6.6	7437
APR		20.2			25.5						19.0	35.3	6.0	7199
MAY		11.1			24.7						23.5	40.7	6.9	7415
JUN		11.2			27.8						25.4	35.7	6.7	7172
JUL		12.9			31.5						25.6	30.0	6.2	7374
AUG		12.1			28.1						27.0	32.8	6.5	7359
SEP		14.9			30.1						21.8	33.2	6.2	7122
OCT		22.4			27.0						20.9	29.6	5.7	7403
NOV		18.4			24.3						20.4	37.0	6.3	7164
DEC		17.9			22.9						17.2	42.0	6.4	7426
TOTALS		16.5			25.9						21.1	36.5	6.3	87266

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
724096 MCGUIRE AFB NJ
STATION STATION NAME

DAILY TEMPERATURES

42-46, 48-82 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100							7	1	2				1
95						2.7	4.0	2.5	4				5
90				4	1.5	11.3	21.2	14.3	4.3				4.4
85			3	1.9	8.5	32.3	51.7	41.1	16.1	1.0			12.7
80			4	5.8	20.2	58.0	80.3	71.4	36.2	5.8	7		23.1
75			2.7	12.2	40.3	77.0	95.4	90.9	58.2	16.5	2.1	1	32.8
70	3	4	5.2	22.8	60.4	90.9	99.0	98.4	78.5	35.3	7.4	5	41.4
65	1.4	2.1	11.1	35.7	77.2	96.8	100.0	99.9	92.5	54.8	16.4	2.2	49.1
60	4.6	5.1	19.9	53.9	89.7	99.5		100.0	98.2	75.0	30.6	7.4	57.0
55	9.6	11.9	31.7	73.5	96.9	100.0			99.9	89.7	48.0	14.1	64.6
50	16.4	21.4	47.5	87.7	99.0				100.0	97.0	67.3	25.2	71.8
45	27.1	34.8	65.8	96.3	100.0					99.3	84.3	39.3	78.9
40	44.0	54.1	82.9	99.2						99.9	94.8	60.4	86.3
35	64.4	74.2	93.8	99.9									
30	90.8	88.3	98.3	100.0						100.0	98.6	78.1	92.4
25	91.4	95.4	99.7								99.8	90.4	96.5
20	96.6	98.4	100.0								100.0	96.7	98.6
15	99.2	99.6										99.9	99.9
10	99.9	99.9										100.0	100.0
5	100.0	100.0											100.0
MEAN	38.8	41.3	49.9	61.5	71.7	80.4	84.5	82.9	76.2	65.6	58.4	42.7	62.5
S D	11.068	10.694	11.165	10.536	9.135	7.884	5.926	6.117	8.012	8.721	9.749	10.813	18.606
TOTAL OBS.	1177	1073	1178	1110	1147	1110	1147	1169	1170	1209	1167	1209	13866

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
724096 MCGUIRE AFB NJ

DAILY TEMPERATURES

STATION MCGUIRE AFB NJ

42-46, 48-82 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
75						.6	2.0	2.0	.3				.4
70					.1	7.7	26.8	22.7	6.1	.4			5.3
65					2.6	28.8	60.2	51.9	19.1	1.3	.3		13.6
60			.1	.9	12.6	56.2	85.4	79.1	39.0	6.3	1.1		23.3
55	.1	.6	.6	5.1	30.9	81.4	97.4	93.8	62.2	16.6	4.1	.2	32.6
50	.6	.4	2.1	12.2	56.1	94.9	100.0	99.2	83.2	33.7	9.2	1.4	41.0
45	1.4	1.8	6.2	30.7	82.5	99.5		99.8	94.3	56.4	18.0	3.4	49.4
40	4.8	4.7	16.9	56.8	95.8	100.0		100.0	98.5	77.8	35.9	9.8	58.4
35	13.1	14.8	38.3	80.5	99.6				100.0	92.9	56.4	21.8	68.1
33	18.1	21.4	48.0	86.8	99.8					95.9	67.9	28.7	72.2
30	28.0	34.3	65.4	98.6	100.0					98.8	82.3	43.1	78.9
25	47.6	55.1	84.6	99.1						100.0	94.9	64.1	87.1
20	67.1	73.5	95.0	99.9							99.4	79.6	92.9
15	83.0	86.2	98.6	100.0							100.0	91.7	96.7
10	93.0	95.4	99.7									97.6	98.8
5	97.3	98.5	100.0									99.6	99.1
0	99.7	99.8										99.8	99.7
-5	100.0	100.0										100.0	100.0
MEAN	23.8	25.2	32.3	41.0	50.8	60.4	65.6	64.4	57.2	46.2	37.1	27.6	44.3
S.D.	9.624	9.187	7.909	7.824	6.889	6.412	5.350	5.956	7.846	8.356	8.513	9.333	16.678
TOTAL OBS.	1177	1073	1178	1110	1181	1110	1187	1169	1170	1208	1167	1208	13866

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
724096 HCGUIRE AFB NJ
STATION STATION NAME

42-46, 48-82 YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90							.1						.0
85						.5	2.4	1.4	.4				.4
80					.3	8.4	22.2	16.6	4.1				4.3
75				.2	3.6	29.3	55.4	45.9	16.7	1.0	.1		12.6
70			.1	2.2	15.4	57.3	86.6	77.3	35.0	4.6	.5		23.1
65			1.0	7.4	34.0	79.9	98.5	95.5	61.3	14.6	2.2		32.7
60	.3	.2	2.9	17.3	60.4	95.8	100.0	99.7	84.4	34.5	6.7	.6	41.7
55	1.4	1.4	7.9	32.1	82.7	99.5		100.0	95.6	56.7	15.9	2.4	49.5
50	3.8	4.9	17.3	57.6	95.8	100.0			99.1	78.8	32.6	7.1	58.0
45	9.1	11.2	31.4	80.3	99.5				100.0	94.1	54.6	16.1	66.3
40	20.6	24.6	56.2	94.1	100.0					98.4	76.6	32.1	75.2
35	36.8	45.5	78.8	98.4						100.0	92.6	51.5	83.6
30	57.7	67.0	92.3	99.9							98.5	73.8	90.8
25	75.7	83.8	97.7	100.0							99.8	86.9	95.3
20	88.9	93.7	99.4								100.0	95.5	98.1
15	95.7	98.1	100.0									99.2	99.4
10	99.1	99.2										99.8	99.8
5	99.8	100.0										100.0	100.0
0	100.0												100.0
MEAN	31.5	33.4	41.3	51.4	61.5	70.6	75.3	73.8	66.9	56.1	46.0	35.3	53.6
S D	9.779	9.318	8.854	8.174	7.206	6.497	4.982	5.435	7.306	7.799	8.497	9.375	17.326
TOTAL OBS	1177	1073	1178	1110	1147	1110	1147	1169	1170	1209	1167	1209	13866

USAFETAC FORM 0-21-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

724396 STATION
MC GUIRE AFB NJ STATION NAME

42-46, 48-82 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42									89	81	73	60	
43	58	68	70	76	89	97	92	93	94	82	70	56	97
44	64	61	67	76	90	92	96	97	91	85	71	54	97
45	58	59	87	84	88	96	96	92	89	81*	78	58	96
46	69	67	79										
48								* 98	88	76	83	60	
49	69	74	77	83	88	96	98	97	84	85	72	64	98
50	74	52	68	79	84	93	94	92	87	83	82	68	94
51	66	65	64	83	88	89	93	93	87	84	70	71	93
52	62	53	68	84	84	99	96	88	92	82	69	60	99
53	63	68	69	85	89	93	100	99	100	81	72	65	100
54	62	74	72	84	84	92	100	90	90	85	69	63	100
55	53	64	71	81	92	91	100	100	84	83	72	55	100
56	53	61	64	84	89	97	93	92	93	82	73	69	97
57	64	64	73	88	90	96	99	93	93	76	70	61	99
58	* 56	52	53	83	86	90	92	89	88	83	65	56	92
59	63	58	73	85	90	96	92	93	92	88	78	59	96
60	59	66	78	90	83	89	91	92	87	80	70	65	92
61	56	69	76	84	85	94	91	89	92	79	82	59	94
62	60	63	78	87	93	89	90	89	88	83	60	65	93
63	56	50	78	85	93	96	93	87	86	82	71	55	96
64	56	52	74	83	91	95	93	91	91	78	73	69	95
65	59	62	61	78	93	93	90	89	92	77	71	65	93
66	59	60	70	75	84	93	101	93	93	79	72	75	101
67	71	65	71	83	81	96	93	88	83	85	70	63	96
68	55	51	80	80	83	95	97	94	88	87	79	59	97
69	49	42	69	86	94	96	95	93	93	84	70	62	96
70	55	58	67	82	90	90	93	90	73	82	67	64	93
71	59	65	72	77	88	90	93	91	89	81	81	70	93
72	64	67	78	83	84	87	94	93	91	73	68	63	99
MEAN													
S. D.													
TOTAL OBS.													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

MAXIMUM TEMPERATURE



42-46, 48-82

YEARS

1

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USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

724096 MCGUIRE AFB NJ

42-46, 48-82

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42									36	31	23	-1	
43	12	2	6	23	36	55	52	54	43	34	23	10	2
44	6	10	12	25	43	44	52	47	41	30	24	7	6
45	0	4	24	30	38	42	50	52	46	31*	22	6	0
46	10	11	23										
48							*	56	42	31	28	8	
49	20	16	16	32	42	46	55	55	41	29	20	15	15
50	19	7	9	24	37	46	54	50	39	33	23	5	5
51	16	11	23	35	39	49	57	52	37	35	19	7	7
52	7	17	20	31	42	53	56	52	46	26	24	13	7
53	22	16	16	34	45	48	56	56	43	35	28	13	13
54	0	8	22	24	39	48	56	55	45	35	23	15	0
55	10	2	19	33	42	50	62	57	45	36	15	7	2
56	14	15	19	30	35	48	56	55	39	36	21	17	14
57	1	19	23	31	35	46	55	52	38	32	26	12	1
58	*	9	6	27	29	40	46	60	55	42	34	18	6
59	9	8	21	32	41	51	55	55	41	31	22	8	8
60	19	19	10	31	38	49	57	54	49	34	26	6	6
61	1	-4	17	31	41	50	54	53	39	30	26	13	-4
62	11	1	13	26	35	48	53	53	38	27	27	3	1
63	4	2	24	29	35	50	52	50	35	37	29	0	0
64	6	14	21	19	38	45	54	50	43	30	18	14	6
65	2	7	16	25	44	47	50	47	41	27	24	15	2
66	6	6	20	27	31	44	56	56	43	25	24	13	6
67	12	2	8	29	38	47	59	60	39	30	22	14	2
68	2	7	16	29	41	50	53	53	46	32	29	13	2
69	10	14	19	22	41	52	59	55	44	25	19	15	10
70	3	5	20	26	36	53	58	57	42	33	19	13	3
71	6	6	22	28	40	51	52	50	46	43	24	18	6
72	6	10	19	25	39	42	54	49	44	28	21	18	6
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

AU-A134 199

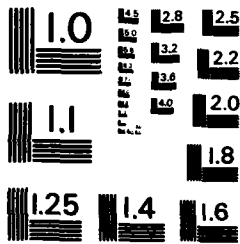
MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERV. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 20 JUL 83
USAFETAC/DS-83/028 SBI-AD-E850 417 F/G 4/2

UNCLASSIFIED

F/G 4/2

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416



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

2

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

42-46, 48-52 YEARS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

JAN

MONTH

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

7-4396	MCGUIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

JAN
MONTH

PAGE 2 3000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

724096 MCGUIRE AFB NJ

73-82

JAN

STATION

STATION NAME

YEARS

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point					
2 / 61		.5	.1															6	6						
1 / 59	.1	.5	.3															9	9	8	3				
5 / 57	.4	.2																6	6	12	10				
5 / 55		.1																1	1	1	5				
4 / 53		.8	.2															9	9	4	6				
2 / 51	.1	.3			.1													5	5	6	5				
5 / 49	.1	.2				.1												4	4	5	5				
4 / 47	.2	.2	.1	.1	.1													7	7	6	5				
4 / 45	.2	.2	.2		.1													7	7	4	4				
4 / 43	.1	.6	1.0	.2	.2	.1												21	21	5	4				
2 / 41	.3	1.3	.6	.4	.2													27	27	20	12				
60 / 39	.5	1.0	1.4	.4														31	31	23	11				
7 / 37	.5	1.8	.9	.3														33	33	28	16				
5 / 35	1.5	2.2	1.5	1.4														62	62	53	30				
4 / 33	.8	1.8	2.9	.5														57	57	44	29				
2 / 31	1.6	3.9	2.7	.8														77	77	62	52				
1 / 29	1.7	1.8	2.5	.5														61	61	78	48				
1 / 27	1.3	3.0	2.3	.4														65	65	51	37				
1 / 25	.4	2.6	2.8	.4														58	58	61	45				
2 / 23	.5	1.8	1.4															35	35	58	29				
2 / 21	.8	2.3	4.1	.2														68	68	54	51				
1 / 19	.3	4.3	2.8															66	66	57	54				
1 / 17		4.9	1.4															55	55	68	33				
1 / 15		2.7	2.5															48	48	43	48				
1 / 13		2.8	1.5															40	40	46	38				
1 / 11	.2	2.0	.3															24	24	41	44				
1 / 9	.2	.9	.1															11	11	31	57				
1 / 7		.5	.3															8	8	12	51				
1 / 5		.8																7	7	7	33				
1 / 3		.9																8	3	12	28				
1 / 1		1.2																11	12	10	37				
1 / -1	.2																	2	2	7	19				
1 / -3																					22				
1 / -5																					8				
Element (X)	Σ x ²		Σ x		Σ	C _x		No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
- / -7																						12			
- / -9																						14			
- / -11																						3			
- / -13																						1			
- / -15																						8			
- / -17																						0			
- / -19																						2			
- / -21																						4			
TOTAL	12.54	7.53	3.3	5.8	.8	.2												929	930		929				

PSYCHROMETRIC SUMMARY

73-82

JAN

YEARS

C600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
27 / 61		.5	.1															6	6	1				
27 / 59	.1	.1																2	2	5	4			
27 / 57		.6	.1															7	7	3	4			
25 / 55	.3	.3																6	6	11	6			
24 / 53		.3		.1														4	4	4	9			
22 / 51	.2	.2		.1														5	5	2	3			
21 / 49		.1	.1															2	2	3	2			
21 / 47	.2	.5																7	7	4	3			
21 / 45		1.3	1.1		.2													23	23	5	5			
24 / 43	.4	.8		.2														13	13	17	13			
22 / 41	.4	.2	.6	.4														16	16	17	13			
24 / 39	.9	.8	1.1	.9														33	33	12	13			
27 / 37	1.1	1.4	1.7	.5														37	37	30	18			
27 / 35	2.4	2.6	1.9	.5	.1													70	70	51	29			
31 / 33	1.0	2.2	2.9	.4														60	60	61	30			
27 / 31	1.4	2.9	2.8	.9														74	74	49	46			
27 / 29	1.9	1.2	2.6	.5	.1													59	59	70	45			
27 / 27	1.3	2.6	1.9	.9														62	62	59	43			
27 / 25	.5	2.6	2.2	.3														52	52	63	43			
27 / 23	.1	2.2	1.4															34	34	50	29			
27 / 21	.3	1.9	3.3	.1														53	53	52	48			
27 / 19	.2	4.6	4.0															92	92	54	41			
27 / 17		3.4	.9															39	39	69	39			
27 / 15		4.6	1.7															59	59	59	49			
31 / 13		2.7	1.2															36	37	44	29			
27 / 11	.1	2.4	.8															30	30	36	40			
27 / 9	.3	1.1																13	13	37	64			
27 / 7		1.3	.1															13	13	11	76			
27 / 5		.4																4	4	12	29			
27 / 3		1.5																14	14	10	33			
27 / 1		.8																7	7	13	20			
27 / -1	.1	.4																5	5	5	19			
27 / -3		.2																						

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72496 MCGUIRE AFB NJ

73-82

JAN
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
6 / 65		.1																1	1						
4 / 63		.3																3	3	2	1				
2 / 61		.1	.1	.1	.1		.1											5	5	3	2				
0 / 59			.2	.2														4	4	1	2				
5 / 57	.1	.1	.1															3	3	2	1				
5 / 55	.8	.6	.1															14	14	12	9				
4 / 53		.1	.1															2	2	8	8				
2 / 51	.2	.4	.1		.1	.1												9	9	5	3				
0 / 49	.1	.3	.3	.3	.1	.1												12	12	6	3				
5 / 47	.1	1.2	.4	.6	.3	.1												26	26	7	5				
4 / 45	.1	.2	.3	.2	.2													20	20	18	14				
4 / 43	.2	.2	.4	1.0	.3	.1												21	21	19	9				
2 / 41	.2	.5	1.0	1.2	1.0	.1												37	37	19	12				
4 / 39	1.5	1.5	1.3	1.5	.2													56	56	30	20				
3 / 37	1.2	1.2	1.9	1.5	.1													55	55	46	26				
2 / 35	.4	1.5	2.8	1.6	.1													60	60	48	25				
3 / 33	.5	1.6	3.0	1.3	.9													68	68	65	29				
2 / 31	1.0	2.4	1.5	2.4	.2													69	69	59	37				
1 / 29	1.1	1.7	3.0	1.2	.1													66	66	79	32				
1 / 27		2.6	3.1	2.3														79	70	45	59				
1 / 25		1.1	3.5	1.3														55	55	77	56				
1 / 23	.1	1.6	3.0	.1														45	45	69	28				
2 / 21	.1	1.6	4.0	.2														55	55	73	47				
1 / 19		2.6	2.6															48	48	62	45				
1 / 17		1.3	3.2															29	29	42	42				
1 / 15		1.2	1.9															29	29	34	48				
1 / 13	.1	1.1	1.9															20	20	30	43				
1 / 11		.2	.5															7	7	21	54				
1 / 9		.9	.5															12	12	12	62				
1 / 7		.6	.2															8	8	14	48				
1 / 5		.9																5	5	10	26				
1 / 3		.1																1	1	5	28				
1 / 1		.3																3	3	2	22				
1 / -1	.1	.2																3	3	3	21				
Element (X)	2 x		2 x		x		x		x		No. Obs.		Mean No. of Hours with Temperature										Total		
Rel. Hum.													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F							
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7:24 96
STATION

MCGUIRE AFB NJ

73-82

JAN
MONTH

PAGE 2 1900-1100
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724096 MCGUIRE AFB NJ 73-82 JAN 1200-1400
STATION STATION NAME YEARS MONTH HOURS (L. S. Y.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
6 / 67				.1	.3													4															4					
5 / 65		.1																1															1					
4 / 63		.2	.1	.1	.4	.1			.2									11															11	3	3			
2 / 61		.1			.2		.1	.2										6															6	1				
1 / 59	.2	.2		.1					.2									7															7	8	3			
1 / 57	.3	.6		.1	.2	.1												13															13	8	4			
5 / 55	.5	.1	.3	.1	.1			.1										12															12	14	15			
4 / 53	.1	.2	.3	.2	.3													11															11	7	7			
2 / 51		.1			.2		.2											13															13	5	2			
5 / 49	.1	.3	.5	.5	.5	.1												20															20	9	9			
1 / 47	.1	.8	.2	.4	.8	.1	.1											23															23	17	7			
4 / 45		.3	.8	1.3	1.1	.6												36															36	21	9			
4 / 43	.3		.5	1.0	1.6	.3												35															35	17	9			
2 / 41	.6	.8	1.0	2.5	1.7	.2												63															63	26	18			
6 / 39	1.3	.5	1.2	3.2	1.5	.1												55															55	45	32			
3 / 37	.2	1.0	1.4	1.8	.5													46															46	48	17			
3 / 35		1.7	1.8	1.9	1.1													50															50	66	25			
3 / 33	.3	.5	1.6	1.6	1.3													50															50	66	30			
1 / 31	.6	2.5	3.7	3.7	1.3													109															109	63	40			
3 / 29	.1	1.6	3.3	4.0	.1													85															85	64	34			
2 / 27	.3	1.9	1.1	3.3														61															61	72	40			
2 / 25		.6	3.3	2.4														59															59	91	68			
4 / 23		.6	1.9	.4														24															24	75	43			
2 / 21	.2	.6	2.5	.2														33															33	68	48			
1 / 19		.4	3.7	.1														39															39	32	71			
1 / 17		.1	1.1	.3														14															14	28	45			
1 / 15			1.2															11															11	32	34			
14 / 13		.2	.9															10															10	13	36			
1 / 11		.1	.6															7															7	12	43			
1 / 9		.1	.2															3															3	9	43			
1 / 7		.3																3															3	8	52			
1 / 5																																			3	30		
1 / 3																																				35		
1 / 1		.3																3															3		23			
Element (X)	Σ x ²					Σ x	Σ	Σ	Σ	Mean No. of Hours with Temperature												Total																
Rel. Hum.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																							
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
/ -1																					3	15								
- / -2																						3								
- / -3																						3								
- / -4																						2								
- / -5																						12								
- / -11																						6								
-1 / -13																						5								
-1 / -15																						1								
-2 / -23																						3								
Total	5.117	.232	.329	.212	.3	1.7	.4	.3	.4										929	929	929									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 WFO/CLTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-96 MCCUIRE AFB NJ

73-82

JAN
 MONTH

PAGE 1 1500-1700
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point	
67						.1												1	1		
65					.1	.1												2	2		
63		.2		.3	.2				.1									8	8	1	
61	.1	.1		.2	.1	.1		.1										7	7	2	
59		.2		.2		.1		.1	.2									3	9	3	
57		.5			.1			.1										7	7	10	
55	.3	.6			.2		.1											12	12	10	
53	.4	.3	.3	.3	.2													10	15	9	
51	.1	.3	.1	.2	.5		.2											18	19	11	
49	.1	.1	.4	.3	.3	.1												17	17	11	
47	.2	.1	.1	1.0	.5	.5	.1											24	24	11	
45	.2	.5	.6	.9	.3													21	31	19	
43	.3	.2	1.0	1.1	1.6	.2	.1											42	42	22	
41	.5	1.1	1.7	1.6	1.3	.2												52	52	36	
39	.3	.5	2.0	1.9	1.3	.2												60	60	30	
37		1.0	1.6	1.5	1.1													48	48	49	
35	.1	1.1	1.6	1.0	1.3													47	47	60	
33	.4	2.0	2.4	2.3	1.5													80	80	64	
31	.6	2.4	3.0	3.7	1.4													103	103	64	
29	.3	1.1	2.0	3.3	.0													68	68	64	
27	.8	1.1	2.6	3.5	.1													71	71	75	
25	.2	.8	2.6	1.9														51	51	58	
23		.2	2.7	1.0														46	36	76	
21	.3	.6	2.4	.2														33	33	60	
19	.1	.2	4.3	.2														46	46	57	
17			.5	.3														8	8	71	
15			1.6															15	15	76	
13			.5															5	5	10	
11		.1	.3															6	6	13	
9			.0															5	5	7	
7			.1															1	1	7	
5																				3	
3																					
1	.3																	3	3	47	
Element (X)	Σ x ²	Σ x	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

JAN
1971

1500-1700
HOURS (11:30-1:30)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
/ -1																				3	10				
- / -3																					12				
- - / -5																					14				
- / -7																					6				
- / -9																					5				
- / -11																					5				
-1 / -13																					4				
-14 / -15																					1				
-17 / -17																					2				
-2 / -23																					1				
-7 / -25																					1				
TOTAL	5.216	334.627	113.5	2.0	.5	.3	.3											930	930	930	930				

Element (X)	$\sum x^2$	$\sum x$	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3570497	54023	58.919	294	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1200706	31054	34.310	964	930		45.1	1				93
Wet Bulb	78938	27080	30.010	535	930	1	58.4					93
Dew Point	589284	18948	20.414	791	930	6.2	75.6					93

PSYCHROMETRIC SUMMARY

13-82

JAN

STATION

STATION NAME

YEARS

NORTH

PAGE 1

1800-2000
HOURS (L. S. T.)

USAFETAC
FORM 0-26-5 (OLA)
REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
NR 44

PSYCHROMETRIC SUMMARY

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1600-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
/ -1		.1																1	1		26										
- / -3		.2																2	2	2	16										
- / -5																				1	18										
- / -7																					4										
- / -9																					4										
/ -11																					3										
- / -13																					3										
- / -15																					5										
- / -17																					2										
- / -19																					1										
- / -21																					1										
6.1	26.6	47.1	17.0	2.2	.3													929	930	929	929										

PSYCHROMETRIC SUMMARY

73-82

JAN

YEARS

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
47 / 63		.1				.1												2	2	1															
47 / 61		.2	.1															3	3		1														
47 / 59		.3	.5															10	10	3	1														
47 / 57	.1	.4	.1				.1											7	7	7	5														
47 / 55	.1	.3																4	4	9	6														
47 / 53	.3	.2		.1														6	6	9	13														
47 / 51	.3		.3	.2	.1	.1												10	10	4	6														
47 / 49	.1	.3	.2	.1	.1													8	8	4	2														
47 / 47	.1	.8	.1	.1														10	10	9	3														
47 / 45	.2	.2	.1	.9	.1	.1												15	15	13	7														
47 / 43	.5	.3	.2	.6														16	16	9	13														
47 / 41	.3	1.3	.6	.4	.4													33	33	18	13														
47 / 39	.9	2.2	1.3	.5	.2													47	47	32	12														
47 / 37	.5	1.8	2.2	1.2														53	53	79	22														
47 / 35	.3	.9	1.5	.3														28	28	44	23														
47 / 33	.1	2.5	2.7	.3														52	52	35	24														
47 / 31	1.0	3.5	4.0	1.1	.1													60	97	60	48														
47 / 29	.8	1.8	4.0	.5														66	66	70	35														
47 / 27	.8	2.7	3.2	1.4														75	75	58	47														
47 / 25	.2	1.9	4.4	.5														66	66	68	39														
47 / 23	.5	1.8	2.9	.4														54	54	64	41														
47 / 21	.8	1.7	4.2															62	62	66	53														
47 / 19	.4	1.8	5.7	.1														75	75	63	59														
47 / 17		1.2	3.0															39	39	56	50														
47 / 15		1.6	3.1															44	44	48	43														
47 / 13		1.1	1.2															21	21	51	32														
47 / 11		.8	.4															11	11	23	51														
47 / 9		.4	.5															9	9	19	33														
47 / 7		.3	.1															3	3	7	54														
47 / 5		.8																7	7	5	32														
47 / 3		.1																1	1	9	31														
47 / 1																					41														
47 / -1	.1	.1																																	

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

STAT 2M

STATION NAME

YEARS

PAGE 2

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
- / -5																					1	14										
- / -7																						10										
- / -9																						11										
- / -11																						5										
- / -13																						3										
- / -15																						2										
- / -17																						2										
- / -19																						2										
- / -21																						2										
- / -23																						2										
TOTAL	1.337	3.46	8	8.9	1.1	.3	.1												930	930	930	930										

Element (X)	Σx^1	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4434170	62151	66.81	7.362	930	$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 86 F$	$\leq 93 F$	
Dry Bulb	897437	27071	29.11	0.854	930	.3	62.6					93
Wet Bulb	758479	24551	26.41	0.899	930	.3	69.5					93
Dew Point	533653	17537	18.91	4.781	930	9.0	77.9					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73495 HCGUIRE AFB NJ

73-82

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ -1	.1	.1																14	14	27	156			
/ -2		.1																5	5	10	121			
/ -3																				2	91			
/ -4																					74			
/ -5																					80			
/ -6																					33			
/ -7																					23			
/ -8																					35			
/ -9																					22			
/ -10																					14			
/ -11																					10			
/ -12																					12			
/ -13																					4			
/ -14																					7436	7439	7436	
/ -15																								
/ -16																								
/ -17																								
/ -18																								
/ -19																								
/ -20																								
/ -21																								
/ -22																								
/ -23																								
/ -24																								
/ -25																								
TOTAL																								

Element (X)	ΣX^2	ΣX	Σ	σ^2	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	34255112	426136	65.418	240	7436	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F
Dry Bulb	7775451	224933	30.211	444	7439	1.9	454.6	.6			744
Wet Bulb	6428272	272162	27.211	197	7436	3.9	527.4				744
Dew Point	4425091	143375	19.314	245	7436	67.5	613.2				744

USAFETAC
FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

F E A

MONTH

0000-0200
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
25 MAY

PSYCHROMETRIC SUMMARY

FEB
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) APR 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

77496 MCGUIRE AFB NJ

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
/ 59		.4	.4																	6	6			
/ 57																						4	1	
/ 55	.1	.4		.1																5	5	4	4	
/ 53	.4	.4	.2	.4																11	11	5	5	
/ 51	.1	.5	.2	.5																11	11	5	5	
/ 49	.4	.5	.4	.2																12	12	12	7	
/ 47	.5	.4	.2	.1	.2															12	12	16	13	
/ 45	.7	.2	.2	.2	.3	.1														17	17	10	9	
/ 43	.5	.9	.4	.6	.5															24	24	14	13	
/ 41	1.1	.6	.7	.6	.6	.1														31	31	20	19	
/ 39	.8	.6	.9	.4	.4															26	26	21	12	
/ 37	.1	1.3	1.3	.8																30	30	22	13	
/ 35	1.1	2.2	1.2	1.7																52	52	37	21	
/ 33	1.9	2.2	2.8	.4	.1															63	63	56	30	
/ 31	.2	1.9	2.4	1.2	.1															49	49	52	25	
/ 29	.2	2.1	3.9	.6																58	58	46	40	
/ 27	.4	2.4	3.1	.2																43	43	49	29	
/ 25	.4	2.2	4.3	.4																61	61	66	33	
/ 23	.4	2.6	3.0	.2																52	52	48	30	
/ 21	.5	1.8	4.7																	60	60	68	30	
/ 19	.6	4.3	3.2																	70	70	66	53	
/ 17		3.1	2.2																	45	45	59	40	
/ 15		3.5	1.7																	44	44	58	41	
/ 13	.4	.9	.7																	17	17	41	32	
/ 11	.1	1.3	.6																	17	17	29	61	
/ 9	.2	.3	.2																	11	11	16	67	
/ 7		.9																		8	8	11	54	
/ 5	.1	.4																		4	4	10	24	
/ 3		.5																		4	4	3	29	
/ 1		.4																		3	3	4	31	
/ -1																						3	11	
/ -3																							11	
/ -5																							6	
/ -7																							4	
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

774096 MCGUIRE AFB NJ

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

704 196 MCGUIRE AFB NJ

73-82

FEB

STATION STATION NAME

YEARS

PAGE 1 0600-0900

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31					Dry Bulb	Wet Bulb	Dew Point
61			.1																	1	1			
59			.2																	2	2			
57	.2																			3	3	5	2	
55	.1	.2	.2																	5	5	1	2	
53	.4	.2			.1	.1														7	7	6	5	
51		.7	.4	.2	.1															12	12	4	3	
49		.1	.2	.4	.2	.5														12	12	5	6	
47	.9	.6		.5	.1															18	18	13	12	
45	.6	.1	.9	.5	.2															20	20	17	9	
43	1.3	.7	.5	.4	.2															26	26	22	17	
41		.4	.7	.2	.2	.1														14	14	15	4	
39	.8	.8	.9	.2	.6															29	29	27	18	
37	.7	1.1	1.5	.8	.2															37	37	32	14	
35	2.4	2.2	1.8	.9																62	62	42	37	
33	1.2	2.1	1.8	.5	.2															49	49	51	32	
31	.4	2.2	2.1	1.1	.1															50	50	50	27	
29	.5	2.8	3.2	.8																62	62	45	35	
27		2.6	1.8	.8																44	44	51	39	
25	.6	2.6	3.1	.4																55	55	62	33	
23	.1	1.7	3.2																	42	42	48	31	
21	.6	2.5	3.5																	56	56	61	31	
19	.8	4.5	4.3																	81	81	63	46	
17	.4	3.9	2.1																	54	54	64	39	
15	.1	2.5	1.2																	72	32	60	48	
13		1.3	.7																	17	17	38	45	
11		2.3	.4																	20	20	13	46	
9	.1	1.1	.4																	13	13	24	57	
7	.1	.6	.1																	7	7	12	52	
5		.9																		4	4	8	38	
3	.1	.8																		8	8	9	27	
1		.4																		3	3	5	31	
-1	.2																			2	2	3	12	
-3																							12	
-5																							2	
Element (X)	Σ X				Σ X	Σ	Σ	Σ	Mean No. of Hours with Temperature															
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JAN 64

PSYCHROMETRIC SUMMARY

73-62

ff:

STATION

STATION NAME

YEARS

MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
- / -7																						6										
- / -9																						7										
- / -11																						7										
- / -13																						4										
- / -15																						2										
- / -17																						1										
- / -19																						3										
TOTAL	12.4	41.3	35.2	7.7	2.5	.7												846	546		846											

SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7. 11. 95 MCQUIRE AFB NJ

73-82

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
63					.3		.1		.1								3	3		
61			.4		.1			.2									6	6		
59		.4	.1			.2	.1	.1									9	9	1	1
57		.2	.2	.1		.2		.1									8	8	6	
55	.3	.2	.1		.3	.1	.1										9	9	6	7
53	.6	.2		.4	.2	.1	.2										15	15	10	9
51	.5	.2	.1	.5	.5	.6											20	20	15	13
49	.2	.4	.1	.4	.6	.1											15	15	12	8
47	.2	.6	.4	.6	.8	.1	.1										24	24	16	6
45	.6	.2	1.3	.7	.1	.7	.1										32	32	19	10
43		.4	.9	1.7	.9	.1	.1										35	35	16	7
41	.6	.4	1.8	1.1	.5												36	35	39	7
39	1.1	.6	1.1	1.9	1.1	.2											50	50	36	28
37	1.3	1.2	1.5	1.4	1.1	.2											57	57	41	29
35	1.4	1.1	1.7	1.9	.7												57	57	60	39
33	.4	1.1	1.3	1.4	1.2												45	45	48	22
31	.4	.9	3.3	3.3	.8												64	69	33	41
29	.4	.8	3.8	2.6	.1												65	65	51	41
27	.1	1.2	3.1	2.7	.2												62	62	51	38
25	.4	.9	3.7	.7													46	48	51	26
23		.4	3.2	.2													32	32	69	37
21	.5	.9	3.3	.4													43	43	55	17
19	.6	.8	4.1														47	47	50	39
17	.1	.6	1.3	.1													18	16	37	35
15		.6	.7														11	11	35	44
13	.1	.1	.6														7	7	14	57
11		.5	.6														9	9	5	59
9		.5	.2														6	6	8	45
7		.5	.1														5	5	10	43
5		.1															1	1	6	18
3		.1															1	1	1	29
1		.1															1	1	2	23
-1																				12
-3																				10
Element (X)	Σ x'	Σ x	X	σ _n	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

72496	MCGUIRE AFB NJ
STATION	STATION NAME

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2900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FEE

PAGE 1

1200-1400
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724.96 MCGUIRE AFB NJ

73-82

FEB

STATION

STATION NAME

YEARS

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
71									.1	.1								2	2		
70									.1									1	1		
69						.4			.2	.2								9	9		
68				.1	.1				.1	.2	.1							6	6		
67		.1				.1	.2		.4									7	7		
66		.1	.2	.1	.1		.1	.2	.2									10	10	1	
65		.5	.1			.2	.2	.5										15	15	4	1
64				.1	.4	.4	.4	.1										15	15	9	2
63	.5	.1			.5	.1	.7											16	16	9	11
62	.5	.8		.1	.2	.6	.1	.1										21	21	11	8
61	.7	.4	.2	.4	1.4	.4	.2	.2										31	31	16	6
60	.2		.4	.9	1.5	.4	.1											30	30	16	7
59	.4		.1	.5	1.4	.5	.1											26	26	23	9
58		.6	.1	.2	1.1	1.1	.5											36	36	21	2
57	.4	.4	.2	1.1	1.2	1.2												37	37	29	9
56	.6	.8	1.2	1.3	1.7	1.5	.6											65	65	35	16
55	1.1	.8	.8	1.1	1.4	1.5	.1											58	58	55	22
54	.4	.9	.3	1.3	3.1	.4												64	64	49	22
53	.1	1.1	1.3	2.2	2.2	.1												64	64	56	23
52	.1	.1	.3	3.1	3.1													60	60	45	24
51	.5	1.1	.5	5.3	1.1													68	68	65	43
50	.1	.5	1.3	3.7	.1													50	50	70	57
49		.8	2.5	3.2	.2													57	57	61	37
48	.4	.4	2.2	1.3														38	38	86	40
47	.4	.5	.4	.6														19	19	70	31
46	.4	.2	.6	.8														17	17	51	26
45		.1	1.2															11	11	17	44
44	.1	.4	.1															5	5	16	45
43			1.1															9	9	12	55
42			1.1															9	9	5	65
41																				7	60
40																				7	47
39																					29
38																					17
Element (X)	Σ X'		Σ X		X		°X		No. Obs.		Mean No. of Hours with Temperature						Total				
Ref. Num.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F					
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

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MONTH

PAGE ? 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
/ 0																						26
/ 1																						22
/ -1																						16
- / -3																						11
- / -5																						6
- / -7																						4
- / -9																						1
- / -11																						2
- / -13																						2
TOTAL	5.711	0.17	0.62	6.72	0.01	1.1	4.3	1.7	1.3	.5									846		846	846
																			846		846	

Element (X)	Σ X ²	Σ X	X̄	s _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	2734562	45714	53.220	0.043	846	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1356209	32409	38.311	0.340	846		28.1	1.2				34
Wet Bulb	981741	27523	32.510	0.067	846		46.4					84
Dew Point	540363	18011	21.313	0.627	846	3.8	67.7					4

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

774 196 MCGUIRE AFB NJ

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FEB

STATION

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PAGE 1

1800-2000

HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 60																		1	1		
5 / 65									.1									1	1		
1 / 59			.2	.2	.4		.4		.1									11	11		
1 / 57			.1	.1	.1	.1	.1	.2										6	6	3	
5 / 55	.7	.8	.2	.1	.2	.1	.4											22	22	12	11
4 / 53	.6	.4	.1		.5	.4	.4	.1										20	20	15	14
7 / 51	.1		.5	.6	.4	.2												15	15	6	3
5 / 49	.8	.2	.4		.6	.4	.1											21	21	14	13
7 / 47	.2		.2	.9	.7		.2											20	20	14	5
1 / 46			.2	1.1	.7	.4												20	20	14	3
4 / 43	.2	1.3	.2	2.2	.5	.2												40	40	22	4
1 / 41	.4	1.1	.7	2.2	.8													44	44	30	26
7 / 39	.8	1.1	.9	.9	.7	.2												39	39	40	16
1 / 37	.5	1.1	.9	1.9	2.4	.1												58	58	42	21
7 / 35	.5	1.3	2.5	1.8	.7	.2												59	59	53	22
3 / 33	.9	.9	2.7	2.2	.3	.1												60	60	39	28
7 / 31	.6	1.1	3.3	4.5	.6													85	85	67	40
1 / 29	.1	.7	2.6	3.4	.1													59	59	61	44
7 / 27	.4	.7	3.4	2.5														62	62	56	43
1 / 25	.2	.9	4.7	1.4														62	62	77	39
7 / 23	.5	.6	2.8	1.1														42	42	47	29
2 / 21	.5	.7	2.4	1.1														39	39	73	33
7 / 19		.8	1.4	.1														18	18	44	51
1 / 17		.5	1.1	.2														15	15	26	45
1 / 15		.6	1.4															16	16	18	47
1 / 13		.1	.5															5	5	18	56
1 / 11		.1	.4															4	4	8	63
1 / 9			.3															2	2	5	49
1 / 7																				3	34
1 / 5																				2	26
7 / 3																					23
1 / 1																					20
1 / -1																					15
1 / -3																					10
Element (X)	Σ X ²	Σ X	X	X _n	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OLA) REVISED PERIODIC ERRORS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

YEARS

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MONTH

PAGE 2 1500-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-4 / -5																						3	
-4 / -7																						3	
-4 / -9																						2	
-1 / -11																						2	
-1 / -13																						3	
-1 / -15																						2	
TOTAL	8.0	15.1	33.3	29.1	9.8	2.7	1.2	.6	.1										846	446	846	846	

Element (X)	Σ x'	Σ x	Σ	Σ _n	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3359130	50898	67.2	18.746	846	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Dry Bulb	1036664	28994	34.3	10.490	846		40.6	1				84
Wet Bulb	51799	25461	30.1	0.261	846		53.8					84
Dew Point	528671	17699	20.9	13.691	846	4.0	67.7					84

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

704096 MOGUIRE AFB NJ

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STATION STATION NAME

YEARS

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2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	TOTAL				Dry Bulb	Wet Bulb	Dew Point	
2 / 61							.1											1	1	1	1				
1 / 59	.1		.2				.2											5	5	1	1				
1 / 57	.1	.1		.2														4	4	2	1				
5 / 55	.4	.2		.4	.1													9	9	6	6				
4 / 53	.6		.1	.2	.4													13	13	6	7				
2 / 51	.4	.7	.5	.1	.4													17	17	12	0				
3 / 49	.1	.7	.1	.4	.5	.1												17	17	8	3				
1 / 47	.5	.1	.5	.2	.7	.1												20	20	19	13				
4 / 45	.2	.6	.2	.4	1.2	.2												24	24	14	9				
4 / 43	.7	.5	.2	1.3		.1												24	24	18	16				
2 / 41	.7	.5	.7	.7	.1													23	23	23	18				
4 / 39	1.1	1.2	.7	1.2	.2													37	37	26	21				
3 / 37	.2	1.3	2.0	1.4	.2													44	44	42	7				
3 / 35	1.5	2.1	2.6	2.6	.1													76	76	38	23				
3 / 33	.2	1.1	1.5	1.5														42	42	54	35				
2 / 31	.5	2.4	3.1	1.9	.2													68	68	50	31				
7 / 29	.4	1.9	4.7	1.9														75	75	54	39				
1 / 27	.2	1.9	3.9	2.2														70	70	55	48				
2 / 25		1.4	4.6	.6														56	56	71	37				
2 / 23	.1	1.3	2.8	.5														40	40	79	35				
2 / 21	1.3	1.1	4.7	.2														62	62	68	37				
1 / 19	.2	2.0	3.5	.4														52	52	60	76				
1 / 17	.1	1.1	.8															17	17	45	40				
1 / 15		1.1	1.7															23	23	31	41				
1 / 13		.7	.8															13	13	20	44				
1 / 11		.3	.1															8	8	13	47				
1 / 9		.1	.1															2	2	12	64				
1 / 7		.2																2	2	3	46				
1 / 5																				2	20				
1 / 3		.2																2	2		24				
1 / 1																					2	21			
1 / -1																							11		
1 / -3																								11	
1 / -5																								4	
Element (X)	ΣX^2		ΣX		Σ		σ_x		No. Obs.		Mean No. of Hours with Temperature										Total				
Rel. Hum.											$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

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MONTA

PAGE 2 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
- / -7																					7		
- / -9																					1		
- / -11																					1		
- / -13																					4		
- / -15																					1		
- / -17																					2		
T4L	10.32	5.74	0.41	9.3	4.4	.9													846	846	846		

PSYCHROMETRIC SUMMARY

FEB

STATION

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ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
/ 5	.0	.2																15	15	14	200				
/ 1		.1																10	10	13	214				
/ -1	.0																	2	2	9	96				
/ -3																					81				
/ -5																					47				
/ -7																					35				
/ -9																					33				
/ -11																					25				
/ -13																					10				
/ -15																					9				
/ -17																					6				
/ -19																					9				
TOTAL	9.523	8.333	2.190	3.7	3.5	1.3	.6	.3	.1									6766	6767	6766	6766				

2

73-62

2A.5

STATION NAME

YEARS

PAGE 1

MONTH

7000-3203

HOURS (L - S - T.)

USAFETAC
FORM
JUL 44
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7-4096 MCGUIRE AFB NJ

73-82

4A12

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

774796 MCGUIRE AFB NJ

73-87

480

STATION

STATION NAME

YEARS

PAGE 1

0300-0500

MONTH

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point				
67 / 65																		3	3						
47 / 63		.1																1	1						
27 / 61																									
7 / 59		.1	.4	.3														8	3	1	1				
7 / 57		.5	.1	.3	.1	.1												11	11	3	3				
57 / 55	.1	.8	.4	.4														16	16	13	3				
47 / 53	.2	.9	.6		.1	.1												18	18	3	13				
27 / 51	.5	1.1	.4	.2	.2													23	23	39	12				
7 / 49	.9	1.2	.3	.6														32	32	21	25				
7 / 47	.1	1.0	.1	.4	.2	.1												18	18	21	16				
77 / 45	.4	1.3	1.6	1.3	.9													47	47	25	26				
47 / 43	1.1	2.3	1.5	1.1		.1												56	56	28	25				
27 / 41	.3	2.7	2.4	.9	.2													64	64	50	17				
7 / 39	1.2	2.5	1.7	2.4	.2													72	72	60	35				
77 / 37	1.3	4.7	2.6	2.4	.4													104	104	77	46				
7 / 35	1.9	2.3	3.2	2.5	.3													95	95	91	72				
37 / 33	1.4	2.9	2.1	1.0	.3													71	71	78	67				
7 / 31	.3	4.7	3.2	1.6														92	92	90	73				
77 / 29	.9	1.4	2.5	.3														51	51	78	55				
7 / 27	.1	1.8	2.2	.5														43	43	53	71				
7 / 25	.1	1.7	2.3	.2														40	40	52	55				
7 / 23		.4	1.1															14	14	42	27				
77 / 21	.4	.4	1.3	.2														22	22	32	41				
7 / 19	.2	.6	.6															15	15	22	67				
77 / 17		.2	.1															3	3	18	39				
7 / 15	.1	.3	.4															8	8	4	25				
7 / 13																				7	22				
17 / 11		.3																3	3	1	31				
7 / 9																				3	21				
7 / 7																					19				
7 / 5																					13				
7 / 3																					2				
7 / 1																					5				
-7 / -3																					6				
Element (X)	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Mean No. of Hours with Temperature						
Rel. Hum.																			≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 026-5 (OL A) 8-73 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

4AR
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
REL	12.4	35.2	31.7	17.1	3.2	.4												930	930		930													

GLOBAL CLIMATOLOGY BRANCH
SAFEAC
AT: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

774.96	MCGUIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

548

PAGE 1 2600-0800
HOURS (L.S.T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

7496	MCGUIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

4A -
MONTH

PAGE ?

2600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

✓ A R
MONTH

PAGE ~ 0900-1100
HOURS (L. S. T.)

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.		TOTAL		
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
/																						15				
/	7																					14				
/																						5				
/																						8				
/	1																					7				
/	-1																					1				
TAL		0.616.619.622.920.510.9 4.1 1.2 .2 .2																			930	930	930			

Element (X)	Σ x'	Σ x	Σ	Σ ²	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3359872	56990	61.3	19.891	930	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	
Dry Bulb	1920089	41203	44.3	10.092	930		10.9	1.8	.3			93
Wet Bulb	1422754	36194	38.9	9.517	930		23.3	.1				93
Dew Point	1028132	28486	31.6	12.942	930	.1	50.2					93

PSYCHROMETRIC SUMMARY

73-62

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1270-1400

HOURS (L, S, Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
67 55											.1																						1	1	
7 81											.1																						1	1	
7 77											.1	.1																					2	2	
7 77											.1	.4	.1																			6	6		
7 75										.1	.1					.1	.1															4	4		
7 73									.2	.3	.2	.1																				8	9		
7 71								.1	.2	.3					.1																	7	7	1	
7 69						.1		.2	.1	.2																						6	6		
7 67			.1	.1		.3	.1	.1	.2	.4																						13	13	2	
67 65			.1	.1	.1	.4	.2	.1	.4	1.1	.2																					26	26	5	
67 63				.2	.1	.4	.2	.3	.4	.3	.1																					28	28	9	
7 61				.3	.4	.6	.2	.5	.4	.3	.1																					29	29	10	
7 59		.1		1.1	.4	.3	.8	.8	.6	.2	.1																					40	43	11	
7 57		.2	1.1	.3	.3	.6	.9	1.7	1.2	.1																						60	60	19	
7 55		.5	.5	.5	.5	1.1	.9	1.2	.5	.4																						56	58	41	
7 53		.2	1.1	.3	.6	.3	1.1	1.1	.6	.2																						51	51	23	
7 51		.1	.3	1.2	.4	.7	1.8	1.3	.4																							59	59	41	
7 49		.4	.3	.6	.4	1.8	1.5	1.5	.1																							63	63	53	
7 47		.7	.5	.2	2.7	1.0	1.6	.5	.1																							62	62	55	
7 45		.2	1.2	1.2	.6	1.3	2.2	.5																								73	73	51	
47 43		.4	.8	.2	.4	2.7	2.7																									61	61	71	
7 41			2.1	1.1	1.3	1.7	1.3	.1																								69	69	89	
7 39		1.1																																	

PSYCHROMETRIC SUMMARY

YEAR

405

PAGE 2 1220-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1 / 1																					34			
1 / 13																					31			
1 / 11																					14			
1 / 5																					16			
1 / 7																					13			
1 / 5																					8			
1 / 3																					6			
1 / 1																					2			
TOTAL	5.3	11.1	11.2	13.1	19.7	17.5	11.2	6.7	3.3	.8	.1	.1						930	930	930				
</																								

2

PSYCHROMETRIC SUMMARY

MAP

YEARS

PAGE 1 1500-1700
HOURS (L. S. T.)

USAFETAC
FORM 0-26 5 (OL A)
MAR 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 1520-1760
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
1 / 13																																	33		
1 / 11																																	14		
1 / 9																																	16		
1 / 7																																	22		
1 / 5																																	7		
1 / 3																																	2		
TAL	6.6	5.5	11.2	12.4	13.0	15.2	11.0	8.2	5.2	.5	.4	.1																					930	930	930

PSYCHROMETRIC SUMMARY

73-82

443

1600-2700

HOURS (L. S. T.)

2

YEARS

PAGE 7 1800-2000
HOURS (L. S. T.)

JSAFETYAC FORMS 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

MAR
MONTH

HOURS (L. S. T.)

[illegible]

2

73-62

YEARS

MAR
MONTH

PAGE 5

ALL
HOURS (L. S. T.)

USAFETAC
FORM 20-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

AD 2

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200
HOURS (1-5-7)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
S.M. 44

PSYCHROMETRIC SUMMARY

73-82

YEARS

APR
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

000096 MCGUIRE AFB NJ

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	TOTAL	TOTAL	TOTAL	
69					.1													1	1			1			
67			.1	.2	.1													4	4			4			
65		.1	.4	.2		.1		.1	.1									10	10			10			
63	.1		.2	.1			.2	.1										11	11	3	1	14			
61	1.0	.4	.3	.2	.1	.1												20	20	14	11	34			
59	.2	.7	1.8	.9			.1											33	33	15	5	48			
57	.6	1.0	.5	.5		.1	.2											27	27	22	17	49			
55	.3	1.6	1.6	.2	.2	.2	.2											39	39	36	21	60			
53		1.6	1.3	.4	.1	.3	.3											27	37	28	26	65			
51	.4	1.6	1.3	.9	.6													43	43	38	32	81			
49	.1	2.3	1.8	1.1	1.1	.6												63	63	37	37	100			
47		2.1	1.9	1.7	.9	.3												62	62	36	33	98			
45	.7	1.6	3.1	3.6	.4	.6												89	89	59	34	123			
43	.1	2.0	3.6	2.1	.4	.2												76	76	57	34	110			
41	.3	3.3	3.4	2.8	.7	.3												98	98	84	37	132			
39	.3	1.6	3.1	2.1	.7													70	70	104	58	148			
37	.1	.9	2.4	2.1														50	50	81	43	131			
35		1.3	1.4	2.7	.4													53	53	62	57	115			
33	.3	1.0	1.3	1.4	.2													39	39	65	79	123			
31		1.2	2.7	1.7														50	50	42	60	112			
29		.2	.8															9	9	45	43	54			
27			.4	.6														9	9	38	46	47			
25			.3	.1														4	4	15	56	60			
23																				7	28	35			
21			.2															2	2	6	34	40			
19			.1															1	1	2	38	39			
17																					1	17			
15																						3			
13																							13		
11																							10		
9																							6		
7																							3		
5																							3		
Element (X)	Σ X ²		Σ X		Σ	σ _x	No. Obs.		Mean No. of Hours with Temperature						Total										
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F											
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

YEARS

APR
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

3600-0800
HOURS (L. S. T.)

[illegible]

2.

AP 5

MONTH

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible]

PSYCHROMETRIC SUMMARY

774796	MCQUIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

APR
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
1 / 17																						22								
1 / 15																						19								
1 / 13																						12								
1 / 11																						8								
/ 9																						1								
/ 7																						4								
/ 5																						2								
/ 3																						1								
TOTAL	3.7	8.3	8.8	12.2	18.5	19.9	14.1	8.7	4.4	1.0	.8	.2	.2					896	910		896									

PSYCHROMETRIC SUMMARY

724 96 MCGUIRE AFB NJ

73-32

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

724 96	MC GUIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

APR
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
23																					1	27			
21																						38			
19																						30			
17																						32			
15																						18			
13																						7			
11																						2			
9																						1			
7																						3			
5																						3			
TOTAL	2.6	7.3	6.0	7.2	10.2	14.0	17.0	15.3	8.9	5.1	3.6	1.7	.4	.3	.2			898	900	898	898				

2.

73-82

APO

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

PSYCHROMETRIC SUMMARY

73-82

APR

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
25																					36												
23																					33												
21																					27												
19																					29												
17																					15												
15																					19												
13																					11												
11																					2												
9																					4												
7																					1												
5																					2												
3																					900												
TOTAL	1.4	8.6	7.4	5.9	9.8	12.2	12.8	16.6	10.4	6.7	4.3	2.3	.4	.6	.1			900	900	900	900												

2.

2.

ADD

STATION

STATION NAME

YEARS

MONTY N

PAGE 2

1870-2000

HOURS (L. S. T.)

USAFETAC
FORM
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

ADD
MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

2

1

73-82

APR
MONTH

STATION

STATION NAME

YEARS

PAGE 7

2100-2300
HOURS (L. S. T.)

USAFETAC
FORM
JUL 69
0-26-5 (OL A);
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

754 196 MCGUIRE AFB NJ

73-82

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

USAFETAC

PSYCHROMETRIC SUMMARY

73-82

ADD
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

2

●

73-82

STATION NAME

YEARS

44 Y

PAGE 1

0600-0800

HOURS (L. S. T.)

FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

MAY

YEARS

7900-1100

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

73-82

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

JSAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

734996 MCGUIRE AFB NJ 73-82 MAY

STATION STATION NAME YEARS MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 44

2.

•

MAY
MONTH

1530-1730
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUN 64

PSYCHROMETRIC SUMMARY

198 MCQUIPE AFB NJ
STATION 51

73-52

YEARS

MAY
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

13-92

44 Y

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1800-2000

HOURS (L - S - T.)

PSYCHROMETRIC SUMMARY

7-4-96 MCGUIRE AFB NJ

73-E?

4AY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

2

2

MAY

MONTH

ALL

PAGE 1

USAFETAC
FORM 0-26.5 (OL A)
JUL 64

724096 MCGUIRE AFB NJ

73-82

PAGE 1 JUN MONTH 0300-0500

PSYCHROMETRIC SUMMARY

YEARS

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC
FORM
JUL 64

PSYCHROMETRIC SUMMARY

JUN

MONTH

0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-62

JUN

STATION

STATION NAME

YEARS

PAGE 1

1200-1400

HOURS (L, S, T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724196
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
YEARS

YEARS

JUN
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb		Wet Bulb		Dew Point			
67/95											.1							1	1						
64/93									.2		.2							4	4						
67/91									.4	.2		.2						8	8						
67/89							.5	.3		.3	.3	.1						15	15						
67/87						.8	.6	.4	1.4	.8	.6	.2						43	43						
67/85					.7	.9	1.7	2.0	1.4	.7	.1							63	63						
47/83					.2	1.1	2.1	1.3	1.7	1.0	.9	.2						77	77						
77/81				.1	1.7	1.9	2.7	1.9	.8	.6	.4	.1						91	91						
77/79			.2	.3	1.8	1.6	.8	2.0	2.0	1.3	.7							96	96	2					
77/77			.2	1.0	2.3	1.9	1.3	3.1	1.8	.6	.7							120	120	15					
66/75		.1	1.1	1.0	1.4	.7	1.3	2.0	1.9	.4	.1							91	91	30		2			
64/73		.4	.9	1.4	.4	.9	.3	1.1	1.0	.6								68	68	86	14				
77/71		.3	.6	.7	.7	.4	.3	.9	.6	.3								42	42	113	28				
77/69		.3	.6	.7	.9	.3	.6	.4	1.2	.2								47	47	106	74				
67/67	.1	.4	1.0	.7	.6	.4	.4	.8	.1									41	41	95	76				
67/65	.1	.8	.6	.4	.4	.2	.3	.1										27	27	89	84				
47/63		1.1	.4		.7	.3		.1										24	24	95	86				
67/61	.1	1.1	.1	.4	.3	.2												21	21	92	84				
77/59		.3	1.0	.2														14	14	69	91				
67/57	.2	.3																5	5	51	81				
67/55		.2																2	2	33	54				
47/53																				22	50				
27/51																				3	49				
67/49																				1	37				
47/47																						35			
67/45																						32			
47/43																						23			
67/41																						11			
47/39																						8			
27/37																						3			
67/35																						4			
TOTAL	.9	6.2	5.9	6.8	12.1	11.7	13.4	16.4	14.6	7.0	4.1	.9						900	900	900	900				
Element (X)	Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			Σ X			
Rel. Hum.	3122202			50666			56.3			17.328			900			≥ 0 F			≥ 32 F			≥ 67 F			
Dry Bulb	5373154			69224			76.9			7.364			900			80.7			67.7			36.3			
Wet Bulb	3951328			59400			66.0			5.913			900			44.7			13.3						
Dew Point	3197043			53105			52.0			8.408			900			19.4			1.6						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

724 96
STATION

MCGJIRE AFB NJ

73-82

JUN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724196 MCGUIRE AFB NJ

73-82

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point			
67/95																		1	1				
67/91																		7	7				
67/89																		21	21				
67/87																		43	43				
67/85																		99	99				
47/83					.1	.4	.5	.5	.3	.2	.1	.1						149	149				
47/81				.1	.4	.6	.7	.6	.5	.3	.2	.1	.1					245	245				
7/79				.2	.7	.9	.7	.7	.4	.2	.2	.0						280	280				
7/77		.1	.4	.3	1.3	.7	.9	.4	.5	.4	.1							356	357	15			
67/75		.2	.9	1.3	.9	.8	.8	1.1	.6	.1	.0							445	445	58	1		
67/73	.1	.9	1.8	1.3	.1	.8	.6	.7	.4	.1	.0							478	475	124	21		
7/71	.1	1.5	2.7	1.0	1.0	.8	.6	.4	.3	.1								530	532	336	60		
7/69	.5	2.1	2.5	1.1	1.1	.9	.6	.3	.3	.1								616	618	515	200		
67/67	.4	2.6	1.0	.9	1.0	.7	.6	.3	.1									666	666	666	492		
67/65	.3	2.5	1.4	1.2	.9	.5	.3	.1	.0									696	691	501	744	640	
47/63	.3	3.2	1.2	1.1	.9	.6	.1											522	522	722	614		
27/61	.5	2.7	1.5	1.1	.9	.2	.1											528	528	708	540		
7/59	.4	2.5	1.3	.9	.3	.3												440	490	811	655		
7/57	.3	1.4	1.3	.5	.2	.1	.0											419	419	624	640		
57/55	.1	.1	.9	.4	.1													271	271	614	597		
47/53	.1	.7	.4	.3	.7	.0												160	169	445	600		
7/51		.4	.3	.2	.3	.0												113	113	349	443		
7/49		.3	.2	.1														67	67	172	432		
7/47		.1	.1															75	35	117	398		
7/45		.0	.0															16	16	60	266		
47/43																		2	2	35	191		
7/41																				13	155		
47/39																					2	63	
7/37																						64	
7/35																						33	
37/33																						11	
7/31																						2	
																						5	
Element (X)	Σ X'		Σ X		X		P ₂		No. Obs.		Mean No. of Hours with Temperature							Total					
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F							
Dry Bulb																							
Wet Bulb																							
Dew Point																							

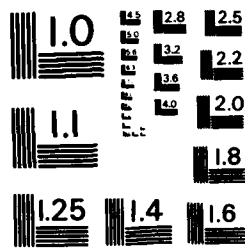
USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

UNCLASSIFIED

MCQUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. 20 JUL 83
USAFETAC/DS-83/028 SBI-AD-E850 417 F/G 4/2

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963-A

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JUL

MONTH

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USAFETYAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

YEARS

JUL
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point												
1 / 79			.1	.3		.1												5	5													
7 / 77		.3	.5	.8	.1	.1												17	17													
14 / 75	.4	1.3	2.4	1.1	.6	.1												55	55	11	5											
21 / 73	.2	3.1	2.9	2.7														63	63	36	17											
28 / 71	1.2	5.1	5.2	2.2	.4													130	130	90	5											
35 / 69	1.8	6.7	4.5	1.1	.3	.1												135	135	111	115											
42 / 67	.9	5.7	4.6	.9	.4													116	116	132	91											
49 / 65	.1	5.5	3.2	1.4	.2													97	97	125	132											
56 / 63	.8	3.4	4.5	1.4	.5													99	99	99	102											
63 / 61	.5	2.2	2.9	.4	.2													50	50	79	84											
70 / 59	.5	2.3	1.6	1.0	.2													52	52	80	85											
77 / 57		1.5	1.6	.6	.7													38	38	48	57											
84 / 55	.1	1.2	1.0	.5	.3													29	29	46	60											
91 / 53	.2	.5	1.0	.6														22	22	31	26											
98 / 51		.2																2	2	17	44											
105 / 49																				21	13											
112 / 47																				4	14											
119 / 45																					10											
126 / 43																					15											
133 / 41																					3											
TOTAL	6.838	7.735	4.14	.9	3.8	.4												930		930	930											

Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 6 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum.	6791994	78986	84.9	9.467	930							
Dry Bulb	4216430	62388	67.1	5.800	930			54.1	16.0	.1		93
Wet Bulb	365920	59690	64.2	6.245	930			38.0	4.7			93
Dew Point	3659164	57982	62.3	6.898	930			28.5	2.2			93

724096 MCGUIRE AFB NJ

724396
STATION

MCGUIRE AFB NJ
STATION NAME

73-82

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-82

JUL

PAGE 1 1500-1700

PSYCHROMETRIC SUMMARY

73-82

JUL

YEARS

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

774 96 MCGUIRE AFB NJ

73-82

YEARS

15
MONTH

PAGE 1 0600-0900
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

73-82

AUG
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

2

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AUG

MONTH

1500-1700

0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM NO. 64

USAFETAC

PSYCHROMETRIC SUMMARY

704791 MCGUIRE AFB NJ

73-82

AUG

STATION	STATION NAME
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YEARS

MONTH

PAGE 1 1870-2000
HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY

714096	MCQUIP AFB NJ
STATION	STATION NAME

73-82

YEARS

AUG

PAGE 1 2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
47 63				.2	.4	.2												8	8															
47 61			.2	.4	.2	.3	.1											17	17															
47 59			1.0	.5	.4	.8												25	25															
7 / 77		1.0	2.5	1.3	1.5	.2												60	60	5														
47 75		2.3	3.7	2.6	1.9	.4												111	111	43	9													
47 73	.2	4.7	3.6	3.1	1.2	.5	.2											126	126	83	60													
47 71	.9	4.8	4.3	2.7	1.5	.3	.1											137	138	124	97													
47 69	.3	3.8	4.5	2.7	.2	.3												115	115	118	109													
47 67	.8	3.9	4.8	2.5	.6	.2												119	119	124	88													
47 65		2.5	2.0	2.2	1.4	.1	.1											77	77	123	123													
47 63	.1	1.5	1.7	1.3	.5		.1											49	49	93	104													
47 61	.1	.9	1.7	1.5	.1													40	40	67	92													
47 59		.1	1.3	.6	.1		.1											22	22	51	54													
47 57		.2	.6	.1														9	9	37	52													
47 55		.1	.1	.5	.1	.2												10	10	35	42													
47 53				.1														1	1	10	30													
47 51			.1	.1														2	2	5	33													
47 49				.1														1	1	5	15													
47 47																				2	7													
47 45																				4	3													
47 43																					4													
47 41																					1													
47 39																					2													
47 37																					1													
47 35																					3													
TOTAL	2.4	26.8	32.2	22.6	11.6	3.7	.3												929	929		929												

2

PSYCHROMETRIC SUMMARY

AUG

STATION

STATION NAME

YEAR

MONTH

ALL

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTN

PAGE 1 0000-0200
HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

73-82

S.F.P

PAGE 1 0000-0800
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

734796 MCGUIRE AFB NJ

73-82

SEP

STATION

STATION NAME

YEARS

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																	
7/ 93							.1	.3		.1								1														1					
7/ 89																		4														4					
8/ 87					.1	.2	.1											4														4					
6/ 85				.2	.2	.4		.2	.1	.1								12														12					
4/ 83			.1	.3	.4	.6	.6	.2	.3	.1	.2							20														20					
7/ 81			.4	1.0	.6	.6	.2	.3	.1	.2								31														31		1			
7/ 79		.3	.4	.4	.4	.7	.1	.4	.4	.1								29														29		9	2		
7/ 77		.4	.6	1.0	1.1	.8	.9	.4	.3									49														49		18	6		
5/ 75	.4	1.0	.3	2.0	1.6	1.5	.7	.3		.1								76														76		35	24		
4/ 73	.1	.8	.7	3.0	1.2	1.7	1.3	1.0	.2									90														90		33	31		
7/ 71	.1	1.7	2.1	1.6	2.1	1.5	1.5	.6										99														101		42	21		
7/ 69		1.3	2.2	1.8	2.2	1.9	1.7	.6										95														95		60	43		
6/ 67		.9	1.7	2.3	1.5	2.3	.6	.4	.1									88														88		42	53		
6/ 65	.2	1.6	1.0	2.0	2.0	1.0	1.6	.1										95														85		83	69		
4/ 63	.1	.7	1.0	.9	1.7	1.6	.6											62														62		99	65		
7/ 61	.1	1.5	.4	1.9	1.0	.4	.7	.1										55														57		94	65		
7/ 59	.1	1.1	.7	1.1	.4	1.7	.3	.1										44														44		74	67		
5/ 57		.7	.4	.2		.6	.1											18														14		65	60		
5/ 55		.2	.4	.1	.2	.6	.2											16														16		71	51		
4/ 53			.1	.2	.2													5														5		37	79		
2/ 51				.1	.1													2														2		24	63		
5/ 49																																		17		47	
5/ 47																																		8		34	
4/ 45																																		7		24	
4/ 43																																		5		9	
2/ 41																																		1		25	
4/ 39																																				14	
3/ 37																																				7	
7/ 35																																				6	
3/ 33																																				4	
7/ 31																																				7	
TOTAL	1.2	12.4	12.9	20.1	18.0	17.2	11.2	4.9	1.5	.7								805														899		845			
Element (X)	Σ x ²			Σ x			Σ	Σ	No. Obs.			Mean No. of Hours with Temperature							Total																		
Rel. Hum.	4293299			60389			67.5	15.638	895			± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 92 F																				
Dry Bulb	4457587			62979			70.1	7.128	895					61.1	32.6	8.7	.1	93																			
Wet Bulb	3610916			56476			63.1	7.265	895					29.2	9.7	.3		93																			
Dew Point	3111210			52076			55.2	9.527	895				.7	18.1	6.3			90																			

USAFETAC FORM 0-26-5 (DLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

550

YEARS

PAGE 1

1200-1400
HOURS (L. S. T.)

2

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YEARS

PAGE 2

1200-1400
HOURS (L.S.T.)

JSAFETAC
FORM
HS 44
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

774 96	MOONIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

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PAGE 2 1500-1700
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

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73-82

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STATION NAME

YEARS

PAGE 1

MONTH

2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 44

PSYCHROMETRIC SUMMARY

73-82

572

STATION	STATION NAME
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YEARS

MONTM

PAGE 1

ALL

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

1094 406 LIFE AFB NJ

73-87

55

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
73.1																						42.7													
TOTAL	7.4	25.7	22.9	14.3	11.1	9.6	6.7	3.9	2.3	1.1	.6	.1						7180	7198	7180	7180														

Element (X)	$\Sigma H'$	ΣH	\bar{H}	σ_H	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	40269446	528324	73.6	17.378	7180	$\pm 0^\circ F$	$\pm 32^\circ F$	$\pm 67^\circ F$	$\pm 73^\circ F$	$\pm 80^\circ F$	$\pm 93^\circ F$	
Dry Bulb	22372296	476148	66.4	9.206	7198			354.5	182.8	59.0	1.8	720
Wet Bulb	2779117	437253	61.9	7.929	7180			176.2	51.4	2.2		720
Dew Point	23892216	478778	55.7	9.288	7180		5.0	114.4	28.3			720

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 4 97 MCGUIRE AFB NJ

73-82

CCT
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb			Wet Bulb			Dew Point													
71			.1															1			1																
69		.4																5			5																
67	.1	.4	.4		.3	.2												14			14			6													
65	.1	1.0	.2	.1	.2													15			15			5													
63	.2	2.5	.9	.3														38			38			24													
61	.1	3.1	.7	.5	.1													41			41			35													
59	.5	2.6	1.9	.3	.1	.2												52			52			37													
57	.4	3.1	1.6	.4	.7	.1												55			55			51													
55	.2	3.6	1.5	.3	.9	.1												66			7.1			53													
53	.7	2.6	1.3	1.3	.9	.1												62			69			54													
51	1.	1.9	2.4	1.0	.1													58			59			46													
49	.4	2.2	3.4	1.5	.7													72			74			57													
47	.3	3.7	2.1	2.4	.1													79			80			71													
45		4.3	3.2	2.7	.7													89			89			74													
43	.3	3.5	3.5	2.6														91			91			77													
41	.1	2.3	2.7	.8	.1													55			55			91													
39	.1	1.2	2.2	.3														35			35			72													
37		2.7	2.0	.2														45			45			56													
35	.1	.7	1.1	.1														18			18			59													
33			.8	.3														10			10			16													
31		.2	.7	.3														11			11			7													
29		.2																2			2			14													
27		.1																1			1			9													
25																							1														
23																																					
21																																					
19																																					
17																																					
15																																					
TOTAL	4.3	42.3	32.6	16.0	3.7	.5												915			930			915													

Element (X)	Z _g	Z _g	Z _g	Z _g	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	5-16451	72721	79.5	12.237	915	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	238J932	46400	47.9	8.424	937		1.4	2.0				93
Wet Bulb	032326	42702	46.7	8.799	915		3.2	.6				93
Dew Point	1335216	39458	43.6	10.406	915		13.6	.4				93

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

73-8?

557

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-82

CCT

STATION

STATION NAME

YF 483

MONTH

PAGE 1

2650-0963

HOURS 1 - 5 - 7

[illegible]

PSYCHROMETRIC SUMMARY

73-62

CCT

STATION

STATION NAME

YEAR 1

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AF 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

251

PAGE 2

2900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
TAL	1.	12.7	12.6	23.3	23.3	16.6	7.7	2.3	.1	.1								913	937	913	913										

PSYCHROMETRIC SUMMARY

73-82

CCT

STATION NAME

YEARS

MONTH

0155 !

1200-1400

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AFR 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 014-5TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

714 96 HOGGINS AFB MO

73-82

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1973-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
87 85						.2			.1									2	2						
87 81						.1	.2		.2	.2								7	7						
87 79						.2	.3		.1									6	6						
87 77						.5	.8		.5	.4	.2							10	19						
87 75					.7	1.0	1.3	.5	.3	.1								10	33	2					
87 73			.4	.4	.7	1.3	.2	.8	.4	.1								38	35						
87 71	.1	.1	.2	1.3	.8	.8	.8	.7	.4	.4								42	56	1	1				
87 69	.4	.5	.4	.9	1.3	1.4	1.2	.4	.3									66	60	10	4				
87 67	.3	.4	.5	1.4	1.2	.9	1.0	.8										60	61	21	3				
87 65	.8	1.0	.3	.8	1.9	1.1	.4	.4	.1									62	58	77	10				
87 63	.7	.8	.7	1.4	1.0	.4	.2	.2										49	49	56	27				
87 61	1.6	.9	.4	1.3	1.0	1.4	1.6	.2										78	78	67	25				
87 59	.3	.8	1.1	.3	.5	2.7	3.4	1.7	.1									64	64	74	63				
87 57	.8	1.0	.8	1.6	1.6	3.3	1.1	.2										65	65	74	33				
87 55	.7	.8	1.0	1.6	2.3	1.2	.1											59	72	74	46				
87 53	.3	.9	.7	1.3	1.3	1.5	1.1	.1										69	69	73	41				
87 51	.5	.1	.3	1.7	1.5	.7												38	38	56	6				
87 49	.7	.7	.9	.5														38	38	85	44				
87 47	.1	.1	.2	.4	.8	.2												17	17	98	45				
87 45	.9	.3	.3	.2	.7													1	21	77	53				
87 43			.1	.6														6	5	50	40				
87 41				.3														7	7	37	61				
87 39	.2																	2	2	20	43				
87 37	.1																	1	1	13	51				
87 35																					10	70			
87 33																				7	42				
87 31																						52			
87 29																						31			
87 27																						24			
87 25																						10			
87 23																						13			
87 21																						14			
87 19																						7			
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) 1-64

REPLACES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

73-27

STATION	STATION NAME
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YEARS

452

PAGE 2 1500-17-0
HOMES (1-5-7-1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
/ 17																				4				
/ 1																				3				
L	.7	8.6	7.8	8.4	16.0	23.2	18.0	9.6	4.7	1.7								918		918				
																		918		918				

2

OCT
MONTH

●

USAFETAC FORM 0-26-5 (OLA)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

7. 4-96 MCGUIRE AFB NJ

73-02

507

STATION

STATION NAME

YEARS

MONTH

PAGE 7

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	a-31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1 / 17																						39										
1 / 18																						12										
TTL	2.924	.622	.410	.711	.4	9.1	6.1	3.2	1.3	.5	.0								7431		7322											
																		7322		7322												
																			</													

FORM
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

USAFETAC

2

1

73-82

20.

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0620-2800

MOBILE (1-5-7)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

A)

70

5 (c)

16.

0-2

13

FROM

AAC

131

5A1

5

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100

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73-62 MCGLIPE AFB NJ

73-62

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1970-11-00
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
75						.1												1	1	
74				.1	.2	.1	.2											6	5	
73				.2	.4	.1	.3	.1										9	9	
72			.3	.2	.1	.2	.1											9	9	
71		.3	.5	.5	.2	.1												19	19	3
70		.6	.3	.3	.1	.4	.1											19	19	12
69		.3	.7	.3	.4	.3	.1	.2										25	25	21
68	1.1	.7	.2	.3														26	26	16
67	.7	.3	.7	.7	.7	.7	.2											35	35	27
66	.6	1.3	1.2	.6	.6	.1												37	37	17
65	.1	1.7	.9	1.2	.9	1.2	.1											66	66	24
64	.3	1.3	1.2	.6	1.1	1.1	.7											54	54	52
63	.3	1.1	3.0	1.4	1.6	.7	.2											75	75	42
62	.1	1.3	1.7	1.2	1.1	.8	.1											57	57	51
61		1.8	.9	1.4	1.4	.9	.1											59	59	71
60		1.2	2.3	1.7	2.9	1.9	.1											63	63	72
59		1.1	.9	2.9	2.3	.6												74	74	53
58	.1	.4	1.0	3.1	1.9	.2												61	61	64
57		.3	1.4	2.7	2.8	.3												69	69	52
56		.8	1.3	2.6	.4													46	46	79
55	.1	.8	.7	.8														26	26	78
54		.3	.7	.7	.3													18	18	63
53		.3	.4	1.0														16	16	53
52			.2	.1														3	3	25
51			.2															2	2	17
50				.1														1	1	5
49				.1														1	1	2
48			.1															1	1	35
47																				41
46																				32
45																				23
44																				10
43																				11
42																				4
41																				1
Element (X)	Σ X ²	Σ X	X̄	C _x	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

704 96 MCGUIRE AFB NJ

73-82

NDY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0900-1107

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
1. L	1.11	.32	1.32	5.72	1.6	9.5	3.2	.6										897	897	897				
	</																							

2

73-82

YEARS

NOV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

JSAFETAC FORM 0.26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

2.

73-82

NCV

STATION NAME

YEARS

MONTH

FAGF ?

1270-1400

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

73-62

YEARS

NOV
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
1 / 61									.1									1	1											
1 / 74									.2									4	4											
7 / 77									.3		.1							4	4											
1 / 70									.2	.6								9	9											
74 / 75				.1	.2	.2		.1			.1							7	7											
2 / 71			.3	.2	.1	.4	.6	.1										11	16											
1 / 59			.5	.2	.3	.2	.3	.1	.4									20	20											
1 / 67		.2				.6	.4	.4	.4	.3	.1							22	27	13										
6 / 65	.1	.7	.2	.3	.2	.6	.1	.2	.1									24	24	15	3									
4 / 63		.7	.5		.3	.5	.3	.5	.3	.1								35	35	18	11									
7 / 61		.7	.2	.6	1.1	.8	.6	.6	.1									44	44	27	11									
1 / 53		.3	.6	1.1	.1	1.6	.2	1.1										54	54	22	17									
1 / 57		.4	1.1	.5	.4	.3	.4	.2										40	40	24	13									
5 / 55	.4	1.3	1.2	.7	1.1	1.2	1.0	.2										58	62	36	15									
4 / 53	.1	.6	1.2	.5	1.1	2.1	1.2	.3										71	71	39	32									
1 / 51	.2	.2	.9	.6	1.1	.7	.7	.1										40	41	45	26									
1 / 4		.2	2.5	1.0	1.7	2.6	.9											71	71	50	29									
1 / 47	.1	1.4	.2	.8	3.3	2.2	.6											70	78	57	43									
1 / 45		.3	.2	.6	3.3	2.3												61	61	71	35									
4 / 43		.2	.4	1.7	4.3	.3	.2											69	69	49	32									
7 / 41		.3	.4	2.3	2.2	.7												54	54	45	39									
4 / 39		.3	.2	1.8	1.9	.3												41	41	77	29									
1 / 37		.3	.7	1.3	1.7	.1												34	34	37	46									
1 / 35		.3	.3	.9	.4													13	13	84	41									
3 / 73			.3	.2														5	5	40	23									
2 / 31			.1	.2	.1													4	4	40	66									
1 / 27			.1	.1														2	2	15	41									
1 / 2			.1															1	1	8	63									
1 / 25			.1															1	1	4	76									
1 / 22																				6	33									
2 / 21																				1	35									
1 / 1																				1	53									
1 / 17																					15									
1 / 1																					62									
Element (X)	ΣX^2	ΣX	\bar{X}	σ_X	No. Obs.	Mean No. of Hours with Temperature																								
Rel. Hum.						± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																		
Dry Bulb																														
Wet Bulb																														
Dew Point																														

PSYCHROMETRIC SUMMARY

73-22

404

STATION

STATION NAME

YEARS

MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
B-1 A-4
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

7.4 96	MCQUIRE AFB NJ
STATION	STATION NAME

73-27

YEARS

NOV
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

[illegible]

2

1

73-82

405

STATION	STATION NAME
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YEARS

MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point										
74.4	.3	1.4	.3	2.4	.3	2.7	1.8	.2	6.2	.	8	.	4						849	850	899	899									

ALL OTHERS ARE WITH SIMILAR TO INCLUDING KNOWLEDGE OF DISAGREE

0-26-5 (OL A)

FORM

USAFETAC

2
 FEDERAL CLIMATOLOGY BRANCH
 WAFSTAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

724 96 MCCOIRE AFB NJ

73-82

NOV
 MONTH

PAGE 1 2100-2300
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
7 / 69					.1													1	1					
7 / 67		.3		.3														6	5	1	1			
6 / 65			.3	.4	.2													10	10	2	1			
4 / 63		.9	.9	.6	.1													22	22	1	1			
2 / 61	.2	1.9	.9	.6	.1		.1											34	34	26	6			
7 / 59	.3	.5	.3	.4	.1	.3												16	15	24	27			
7 / 57	.2	1.3	.2	.5	.3	.1												29	29	21	23			
5 / 55	.7	1.9	.4	.7	.2	.1												36	36	27	23			
4 / 53		1.6	1.3	.6	.7	.3	.1											43	43	29	33			
2 / 51	.1	1.4	1.0	.4	.4	.2	.1											34	34	34	12			
7 / 49	.4	1.3	2.3	1.6	.8	.3												61	61	39	38			
7 / 47		2.1	2.6	2.3	1.2	.4	.1											79	79	49	40			
4 / 45	.2	2.4	1.6	1.9	1.4	.2	.1											73	73	56	41			
4 / 43	.2	.8	2.7	2.4	1.2	.1												61	61	50	37			
2 / 41	.2	.3	1.4	3.4	.7													55	55	57	37			
4 / 39	.1	1.7	3.3	2.6	.6													74	74	53	40			
7 / 37	.1	1.7	3.1	3.8	.2													25	85	69	23			
7 / 35		.9	3.7	3.0	.3													71	71	96	59			
3 / 33		.7	2.3	2.2														47	47	64	40			
2 / 31		1.3	1.2	1.2	.6													39	39	78	65			
7 / 29		.4	.3	.4														11	11	56	52			
7 / 27	.1	.1	.7															8	8	37	65			
7 / 25			.2															2	2	14	69			
7 / 23																				12	44			
2 / 21			.3															3	3	2	37			
7 / 19																				2	43			
1 / 17																				1	25			
1 / 15																					14			
1 / 13																					9			
1 / 11																					5			
7 / 9																					7			
7 / 7																					2			
TOTAL	2.9	23.7	30.3	29.4	15.4	2.2	.6											900	900	900	900			
Element (X)	Z _g	Z _K	X	Q _s	No. Obs.	Mean No. of Hours with Temperature						Total												
Rel. Hum.	4546033	52347	69.3	15.890	900	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb	1890369	40383	44.9	9.338	900		6.3	.7				93												
Wet Bulb	151347	36701	40.8	9.708	900		20.2	.1				93												
Dew Point	1236231	31399	34.9	12.545	900		44.2	.1				93												

FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

73-2?

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

414

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
77 75																		3	7						
77 73																		8	3						
77 71																		12	12						
77 69																		31	31						
77 67																		22	22						
77 65																		41	41						
77 63																		61	61						
77 61																		95	96	1	1				
77 59																		142	142	46	21				
77 57																		194	194	88	43				
77 55																		279	229	170	93				
77 53																		335	235	160	137				
77 51																		260	263	172	147				
77 49																		369	369	248	191				
77 47																		474	385	290	197				
77 45																		532	378	304	207				
77 43																		555	376	343	240				
77 41																		520	532	426	239				
77 39																		499	555	504	324				
77 37																		494	520	401	321				
77 35																		494	499	482	307				
77 33																		436	494	485	295				
77 31																		419	436	596	298				
77 29																		419	419	631	383				
77 27																		325	325	517	344				
77 25																		237	237	457	514				
77 23																		114	114	397	409				
77 21																		73	73	219	461				
77 19																		28	28	130	536				
77 17																		22	22	64	304				
77 15																		9	9	24	359				
77 13																		4	4	13	337				
77 11																				4	172				
77 9																				4	146				
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.											≤ 6 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb																									
Wet Bulb																									
Dew Point																									

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

704 96	MCGUIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

MS

PAGE 2

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
1 / 13																					79		
1 / 11																					41		
1 / 9																					13		
1 / 7																					15		
1 / 5																					7		
1 / 3																					5		
1 / 1																					7194		
TOTAL	2.5	22.4	25.5	22.1	14.1	7.8	3.3	1.6	.5	.1									7194	7194	7194		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7/24/96 MCGUIRE AFB NJ

73-82

DFC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
65		.1																1	1						
63		.1																4	4	1	1				
61		.5	.2															9	9	2	1				
59	.1	.6	.4															12	12	6	5				
57	.5	.5	.3	.2														15	15	15	13				
55	.1	.4	.3															8	8	12	9				
53		.3	.3															6	6	10	3				
51	.3	.9	.3															14	14	10	12				
49	.6	.8	.3	.3														20	20	23	19				
47	.2	1.2	.2	.3														19	19	11	10				
45	.4	1.8	.8	.4														33	33	16	21				
43	.1	1.5	1.6	.4														34	34	21	17				
41	.4	2.3	1.7	1.1	.2													53	53	22	13				
39	1.0	2.7	2.5	1.3	.5													71	71	32	36				
37	.4	2.7	1.4	1.1	.5													55	55	37	33				
35	.8	2.7	2.6	2.6	.1													61	61	62	39				
33	.1	3.5	3.3	.5														70	70	56	40				
31	.1	3.4	2.7	1.1	.1													69	69	49	40				
29	.8	2.9	5.1	.3	.1													89	89	59	70				
27	.3	3.2	3.3	.6														76	76	58	36				
25	.5	2.0	2.3	.1														44	44	41	41				
23	.1	1.2	1.4	.2														27	27	31	36				
21	.3	1.2	1.5															28	28	48	37				
19	.3	1.1	1.5															27	27	31	36				
17		1.4	2.3	.1														35	35	23	47				
15		1.6	.6															21	21	39	39				
13		.2	.1															3	3	25	33				
11	.1	.2																3	3	5	25				
9		.1																1	1	2	12				
7		.3																2	2	1	21				
5																				2	12				
3																					26				
1																					17				
-1																					9				
Element (X)	Σ X ²		Σ X		X		X ²		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 0000-0200
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (O.L.A.)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

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MONTH
1300-2500
HOURS (L.S.T.)

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

0.26-5 (OL A) derived the various sort-out of this series are obsolete

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF Weather Service/MAL

PSYCHROMETRIC SUMMARY

73-96 MCGUIRE AFB NJ

73-82

05C

STATION STATION NAME

YEARS

MONTH

PAGE 1

3900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Drv Bulb	Wet Bulb	Dew Point				
7/69		.1																1	1						
7/67																				1					
6/65		.1	.1			.1												4	4		1				
4/63		.5																5	5	2	1				
2/61		.4	.2	.1														7	7	7	2				
7/59		.1	.3	.3	.2		.1											10	10	3	4				
7/57	.2	.4	.7	.1			.1											16	15	5	5				
5/55	.1	1.2	.2	.4	.1													17	17	10	5				
4/53		.3	.3	.1	.2	.2												15	15	16	13				
2/51	.4	.4	.8		.1	.1												17	17	15	22				
7/49	.2	.5	.7	.4	.3	.3		.1										30	30	14	4				
7/47	.2	1.6	1.0	.3	1.4	.1												47	47	20	15				
7/45	.1	1.2	.6	1.2	1.2	.2												42	42	23	13				
4/43	.1	1.1	1.9	1.5	1.3													53	53	22	24				
7/41	.2	1.9	1.4	2.5	1.7	.1												66	65	42	13				
4/39	.5	1.4	1.6	2.0	1.7	.1												65	65	74	22				
7/37	1.0	3.1	1.8	2.0	1.7	.1												75	35	52	46				
7/35	.9	1.4	2.2	3.5	.8	.1												89	89	83	44				
7/33	.5	1.7	3.4	3.7	.2													82	84	75	55				
7/31	.3	2.5	3.4	1.6	.2													75	75	78	52				
7/29	.4	1.5	1.9	.9														44	44	104	43				
7/27	.1	.5	1.5	1.5														37	37	66	63				
7/25		.3	2.4	.5														32	32	36	64				
7/23		.1	1.4	.3														19	19	46	40				
7/21	.4	.4	1.7	.2														25	26	32	58				
7/19		1.1	1.7															26	26	24	63				
7/17		.4	.5															11	11	29	34				
7/15			.1															1	1	17	41				
7/13		.1	.1															2	2	4	39				
7/11			.1															1	1	2	27				
7/9			.1															1	1	1	25				
7/7		.1																1	1	1	17				
7/5		.2																2	2	1	11				
7/3																			2	2	20				
Element (X)	Σ X ²		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.																									
Dr. Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 7 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ 1																					15			
- / -1																					1			
- / -7																					1			
- / -9																					1			
1 / -17																					1			
1 / -1																					1			
1 / -17																					1			
1 / -17																					1			
TOTAL	5.25	7.53	3.92	3.1	9.8	1.4	.2	.1										930	930	930	930			

Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	4430601	62177	66.9	17.357	930	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	1401957	34873	37.5	10.075	930		27.8	.1				93
Wet Bulb	1155933	31421	33.8	10.054	930		44.3	.1				93
Dew Point	333658	24926	26.8	13.351	930	.9	63.1					93

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AFETAC SERVICE/440

PSYCHROMETRIC SUMMARY

7496 HOGUIPE AFB NJ

73-87

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
7/ 72			.1	.2														3	3					
7/ 71			.1															1	1					
7/ 69			.1		.1		.2											4	4	2				
7/ 67			.1	.1	.1	.1												4	4	2				
7/ 65		.1	.1	.2	.4													10	10	1				
7/ 63			.1	.1	.1	.1	.1	.2	.1									8	9	4				
7/ 61		.3	.1	.3	.2	.4		.5										18	18	4				
7/ 59			.3	.4	.2	.3	.1											13	13	6				
7/ 57	.1	.4	.2		.1	.2												11	11	9				
7/ 55	.1	.1	.6	.2	.2	.1	.2	.1										16	16	13				
7/ 53	.2	1.7	.3	.4	.4	.4	.2											39	39	19				
7/ 51	.2	.1	1.0	.5	.6	.6	.4											33	33	30				
7/ 49	.2	.4	.4	.2	.3	1.3	.2											54	54	24				
7/ 47		.2	.6	.6	1.0	.8	.1											40	40	16				
7/ 45		1.1	1.4	1.3	2.5	1.7	.1											75	75	21				
7/ 43	.4	1.0	.9	2.7	2.2	.9	.2											76	76	40				
7/ 41	.3	.6	1.4	2.0	2.8	.6	.1											74	74	69				
7/ 39	.2	1.1	1.3	2.2	3.7	.3	.1											84	84	43				
7/ 37	1.5	1.3	2.2	2.4	2.7	.2												97	97	30				
7/ 35	.3	.3	2.7	1.2	1.2	.1												52	52	28				
7/ 33		.3	1.1	.5	.5													26	26	77				
7/ 31	.3		1.0	2.6	.5													52	52	22				
7/ 29		.4	2.0	1.8	.1													41	41	44				
7/ 27	.5	.4	.9	1.3														34	34	37				
7/ 25		.2	.6	2.7														27	27	51				
7/ 23		.1	.5	1.0														15	15	32				
7/ 21	.1	.3	.8															12	12	29				
7/ 19		.1	.1															2	2	32				
7/ 17			.5															5	5	6				
7/ 15			.1															1	1	1				
7/ 13																				5				
7/ 11			.1															1	1	1				
7/ 9			.1															1	1					
7/ 7		.1																1	1	2				
Element (X)	ΣX ²		ΣX		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DEC
MONTH

STATION	STATION NAME
---------	--------------

YEARS

PAGE 1 1500-1700
HOURS (L. S. T.)

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
✓ 5																					9					
✓ 7																					19					
✓ 1																					20					
✓ -1																					4					
- / -3																					6					
-5 / -5																					1					
-10 / -11																					1					
-15 / -17																					2					
TOTAL	5.4	11.9	24.9	28.2	10.9	7.6	1.3	.2	.1									930	930	930	930					

PSYCHROMETRIC SUMMARY

DFC

YEARS

PAGE 1

1800-2000

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

724396	MCGUIRE AFB NJ
STATION	STATION NAME

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YEARS

DEC
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

724096 MCGUIRE AFB NJ

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4/ 63		.3																3	3					
3/ 61		.6	.2		.1													9	9	8	2			
2/ 59		.3	.4	.2														9	9	2	7			
1/ 57	.5	.2	.2	.3														12	12	11	6			
5/ 55	.1	.8	.4	.3														15	15	7	9			
4/ 53		.8	.1	.1			.1											10	10	15	4			
2/ 51		.9	.4		.1													13	13	14	14			
50/ 49	.6	1.0	.3	.3	.4													25	25	15	15			
4/ 47	.5	1.2	.6	.4														26	26	21	22			
3/ 45	.3	1.2	1.0	.8	.3													33	33	17	16			
44/ 43	.3	1.5	.6	.9	.2													33	33	31	13			
42/ 41	.5	2.3	2.0	1.6	.5													65	65	40	23			
4/ 39	.8	2.3	3.5	1.5	.2													76	76	35	37			
31/ 37	.9	1.7	1.8	1.2	.4													56	56	61	25			
7/ 35	1.5	1.3	2.5	2.4	.4													75	75	83	44			
30/ 33	.5	3.5	3.7	1.3	.1													64	84	71	44			
2/ 31	.2	3.2	3.7	1.6	.9													89	89	60	57			
18/ 29	.5	2.4	3.6	1.3	.1													73	73	90	61			
27/ 27		2.2	3.2	1.0														59	59	62	51			
1/ 25	.2	1.2	3.2	.2														45	45	83	51			
27/ 23	.2	.3	1.4															18	18	57	42			
2/ 21		.4	1.0															18	18	40	55			
27/ 19		1.0	2.7															34	34	16	61			
1/ 17	.2	1.3	1.4															27	27	32	39			
17/ 15	.2	.6	.3															13	13	33	48			
10/ 13			.4															4	4	15	29			
17/ 11																				5	37			
10/ 9		.1																1	1		23			
2/ 7		.1																1	1	1	23			
7/ 5		.1																1	1	1	17			
4/ 3																				1	21			
/ 1																					16			
/ -1																					4			
-2/ -3																					7			
Element (X)	Σ x ²		Σ x		Σ	Σ x	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature						
Rel. Hum.																		Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

72496	MCGUIRE AFB NJ
STATION	STATION NAME

73-82

YEARS

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MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-82

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-82

YEARS

DEC
MONTH

PAGE ?

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
/ 0		.1																4	4	9	83											
/ 3																				4	186											
/ 1																					139											
/ -1																					38											
- / -3																					29											
- / -5																					13											
- / -7																					7											
- / -9																					5											
- / -11																					7											
- / -13																					3											
- / -15																					5											
- / -17																					5											
- / -19																					2											
TOTAL	6.930	132.918	3	8.7	2.3	.6	.1	.0										7433	7435		7433											
																		7433		7433												
												</																				

PSYCHROMETRIC SUMMARY

7.24796
STATION

HCGJIRE AFB NJ

73-62

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

ALL
MEMBERS (1 - 5 - 7 - 9)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point														
32/101																		5	5															
30/99																		9	9															
27/97																		19	19															
26/95																		49	49															
24/93																		93	93															
22/91																		184	184															
20/89																		396	397															
18/87																		660	660															
16/85																		943	943															
14/83																		1231	1231	6														
12/81																		1519	1521	56														
10/79																		1810	1812	243														
7/77																		2180	2182	667														
6/75																		2748	2751	1251														
4/73																		3079	3086	2160														
2/71																		3340	3356	2931														
0/69																		3401	3408	3396														
0/67																		3287	3296	3720														
16/65																		3205	3213	3497														
14/63																		3197	3203	3764														
12/61																		3303	3312	3724														
10/59																		3421	3427	3607														
8/57																		3077	3086	3567														
6/55																		3044	3058	3465														
4/53																		2820	2939	3174														
2/51																		2677	2684	2864														
0/49																		2805	2814	2914														
0/47																		2785	2792	2947														
0/45																		3021	3023	3071														
0/43																		2752	2754	2860														
0/41																		2883	2883	3160														
0/39																		2866	2866	3085														
0/37																		2718	2719	3274														
0/35																		2754	2754	3312														
Element (X)	Σ x ¹				Σ x				x̄				σ _x				No. Obs.				Mean No. of Hours with Temperature													
Rel. Hum.																					≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

734696 MCGUIRE AFB NJ

73-82

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724096 MCGUIRE AFB NJ

73-82

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	28.3	29.9	38.4	46.6	55.6	63.8	68.7	68.4	61.5	49.9	43.5	34.3	49.2
S D	11.209	10.647	8.921	8.873	7.192	6.112	5.408	5.656	7.560	8.424	9.362	10.480	16.345
TOTAL OBS	930	846	930	900	930	896	930	930	900	930	900	930	10952
3-05	27.3	28.5	37.1	44.9	54.1	62.3	67.1	67.0	60.0	48.7	42.2	33.5	47.8
S D	11.452	11.075	9.080	8.870	7.457	6.386	5.800	6.156	7.969	8.850	9.527	10.708	16.371
TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955
6-08	26.9	28.3	37.7	47.4	58.2	66.3	70.8	69.7	61.9	49.7	42.4	33.0	49.5
S D	11.503	11.220	9.303	8.904	7.272	6.100	5.443	6.054	7.707	8.852	9.550	10.616	17.580
TOTAL OBS	930	846	930	900	929	900	930	930	900	929	900	930	10954
9-11	33.7	33.4	44.3	55.3	65.7	73.3	78.3	77.4	70.1	58.3	49.0	37.5	56.2
S D	11.130	11.220	10.092	10.084	8.064	6.859	5.718	6.122	7.128	8.397	9.532	10.075	18.645
TOTAL OBS	930	845	930	900	929	900	930	929	899	930	897	930	10949
12-14	34.4	37.8	48.8	59.4	69.9	77.1	82.2	81.5	74.3	62.8	53.6	41.4	60.4
S D	11.146	11.572	10.763	11.031	9.166	7.484	6.305	6.557	7.660	8.858	10.219	10.332	18.877
TOTAL OBS	929	846	930	900	930	900	929	930	900	928	900	930	10952
15-17	34.3	38.3	49.2	59.7	69.7	76.9	82.0	80.8	73.5	61.7	52.1	40.5	60.0
S D	10.864	11.340	10.381	10.941	9.274	7.364	6.552	6.681	7.655	8.527	10.009	10.084	18.728
TOTAL OBS	930	846	930	900	930	900	930	930	900	928	900	930	10954
18-20	31.0	34.3	44.3	54.3	64.2	71.7	76.9	75.0	67.1	54.9	47.1	36.9	54.9
S D	10.758	10.490	9.058	9.695	8.261	6.654	5.952	6.239	7.411	7.827	9.226	9.808	17.753
TOTAL OBS	930	846	929	900	930	900	930	930	899	929	900	928	10951
1-23	29.1	31.6	40.7	49.4	58.6	66.3	71.4	70.4	63.2	51.4	44.9	35.2	51.1
S D	10.854	10.412	8.665	8.846	7.186	5.862	5.228	5.577	7.221	7.971	9.338	10.137	16.598
TOTAL OBS	930	846	930	900	930	899	930	930	900	927	900	927	10949
ALL HOURS	30.2	32.8	42.6	52.1	62.0	69.7	74.7	73.8	66.4	54.7	46.9	36.5	53.6
S D	11.444	11.588	10.570	11.113	9.920	8.574	8.047	8.130	9.206	9.983	10.427	10.687	18.240
TOTAL OBS	7839	6767	7439	7200	7438	7194	7439	7439	7198	7431	7197	7435	87616

USAFETAC FORM 0 89 5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724096 MCGUIRE AFB NJ

73-82

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN 25.3 S D 11.277 TOTAL OBS 930	MEAN 27.0 S D 10.509 TOTAL OBS 846	MEAN 35.2 S D 8.944 TOTAL OBS 930	MEAN 42.1 S D 8.951 TOTAL OBS 900	MEAN 52.2 S D 7.616 TOTAL OBS 930	MEAN 60.4 S D 6.403 TOTAL OBS 895	MEAN 65.1 S D 5.672 TOTAL OBS 930	MEAN 65.3 S D 6.064 TOTAL OBS 930	MEAN 58.6 S D 7.882 TOTAL OBS 900	MEAN 46.9 S D 8.799 TOTAL OBS 915	MEAN 40.0 S D 9.647 TOTAL OBS 900	MEAN 31.7 S D 10.529 TOTAL OBS 930	MEAN 45.9 S D 16.314 TOTAL OBS 10936
03-05	MEAN 25.0 S D 11.426 TOTAL OBS 929	MEAN 26.0 S D 10.923 TOTAL OBS 846	MEAN 34.2 S D 9.141 TOTAL OBS 930	MEAN 41.0 S D 9.078 TOTAL OBS 900	MEAN 51.3 S D 7.856 TOTAL OBS 930	MEAN 59.6 S D 6.710 TOTAL OBS 899	MEAN 64.2 S D 6.045 TOTAL OBS 930	MEAN 64.6 S D 6.568 TOTAL OBS 930	MEAN 57.5 S D 8.302 TOTAL OBS 900	MEAN 46.1 S D 9.233 TOTAL OBS 915	MEAN 39.2 S D 9.786 TOTAL OBS 900	MEAN 31.0 S D 10.691 TOTAL OBS 928	MEAN 45.1 S D 16.447 TOTAL OBS 10937
6-08	MEAN 24.7 S D 11.528 TOTAL OBS 929	MEAN 25.8 S D 11.012 TOTAL OBS 846	MEAN 34.7 S D 9.327 TOTAL OBS 930	MEAN 42.7 S D 8.999 TOTAL OBS 899	MEAN 54.0 S D 7.483 TOTAL OBS 929	MEAN 62.2 S D 6.071 TOTAL OBS 900	MEAN 66.6 S D 5.331 TOTAL OBS 930	MEAN 66.3 S D 6.219 TOTAL OBS 930	MEAN 58.9 S D 8.034 TOTAL OBS 899	MEAN 46.8 S D 9.138 TOTAL OBS 913	MEAN 39.4 S D 9.808 TOTAL OBS 900	MEAN 30.6 S D 10.621 TOTAL OBS 930	MEAN 46.2 S D 17.192 TOTAL OBS 10935
9-11	MEAN 27.6 S D 11.016 TOTAL OBS 930	MEAN 29.5 S D 10.674 TOTAL OBS 845	MEAN 38.9 S D 9.517 TOTAL OBS 930	MEAN 47.0 S D 9.067 TOTAL OBS 896	MEAN 57.7 S D 7.400 TOTAL OBS 929	MEAN 65.3 S D 6.215 TOTAL OBS 900	MEAN 69.5 S D 5.117 TOTAL OBS 930	MEAN 69.8 S D 5.875 TOTAL OBS 929	MEAN 63.1 S D 7.265 TOTAL OBS 895	MEAN 51.7 S D 8.469 TOTAL OBS 913	MEAN 43.6 S D 9.533 TOTAL OBS 897	MEAN 33.8 S D 10.054 TOTAL OBS 930	MEAN 49.9 S D 17.018 TOTAL OBS 10924
12-14	MEAN 30.2 S D 10.732 TOTAL OBS 929	MEAN 32.3 S D 10.279 TOTAL OBS 845	MEAN 41.5 S D 9.394 TOTAL OBS 930	MEAN 48.9 S D 8.922 TOTAL OBS 898	MEAN 59.2 S D 7.520 TOTAL OBS 929	MEAN 66.3 S D 6.224 TOTAL OBS 900	MEAN 70.5 S D 5.196 TOTAL OBS 929	MEAN 70.8 S D 5.766 TOTAL OBS 930	MEAN 64.4 S D 7.027 TOTAL OBS 894	MEAN 53.5 S D 8.340 TOTAL OBS 917	MEAN 45.7 S D 9.541 TOTAL OBS 900	MEAN 36.1 S D 9.960 TOTAL OBS 930	MEAN 51.7 S D 16.411 TOTAL OBS 10931
15-17	MEAN 30.1 S D 10.535 TOTAL OBS 930	MEAN 32.5 S D 10.067 TOTAL OBS 846	MEAN 41.7 S D 8.861 TOTAL OBS 930	MEAN 49.0 S D 8.713 TOTAL OBS 900	MEAN 59.1 S D 7.420 TOTAL OBS 929	MEAN 66.0 S D 5.913 TOTAL OBS 900	MEAN 70.1 S D 5.012 TOTAL OBS 929	MEAN 70.3 S D 5.611 TOTAL OBS 930	MEAN 63.9 S D 6.939 TOTAL OBS 896	MEAN 52.9 S D 8.143 TOTAL OBS 918	MEAN 44.8 S D 9.597 TOTAL OBS 898	MEAN 35.5 S D 9.734 TOTAL OBS 930	MEAN 51.4 S D 16.235 TOTAL OBS 10936
18-20	MEAN 27.8 S D 10.793 TOTAL OBS 929	MEAN 30.1 S D 10.061 TOTAL OBS 846	MEAN 39.0 S D 8.648 TOTAL OBS 929	MEAN 46.3 S D 8.593 TOTAL OBS 900	MEAN 56.5 S D 7.255 TOTAL OBS 928	MEAN 63.9 S D 5.858 TOTAL OBS 899	MEAN 68.5 S D 5.093 TOTAL OBS 930	MEAN 68.2 S D 5.656 TOTAL OBS 930	MEAN 61.4 S D 7.269 TOTAL OBS 896	MEAN 49.7 S D 8.106 TOTAL OBS 917	MEAN 42.1 S D 9.600 TOTAL OBS 899	MEAN 33.3 S D 9.932 TOTAL OBS 928	MEAN 49.0 S D 16.360 TOTAL OBS 10931
21-23	MEAN 26.4 S D 10.899 TOTAL OBS 930	MEAN 28.4 S D 10.245 TOTAL OBS 846	MEAN 36.8 S D 8.679 TOTAL OBS 930	MEAN 43.7 S D 8.732 TOTAL OBS 900	MEAN 53.9 S D 7.343 TOTAL OBS 930	MEAN 61.7 S D 6.000 TOTAL OBS 896	MEAN 66.5 S D 5.356 TOTAL OBS 930	MEAN 66.4 S D 5.812 TOTAL OBS 929	MEAN 59.5 S D 7.442 TOTAL OBS 900	MEAN 47.7 S D 8.317 TOTAL OBS 914	MEAN 40.8 S D 9.708 TOTAL OBS 900	MEAN 32.2 S D 10.310 TOTAL OBS 927	MEAN 47.1 S D 16.250 TOTAL OBS 10932
ALL HOURS	MEAN 27.2 S D 11.197 TOTAL OBS 7436	MEAN 28.9 S D 10.756 TOTAL OBS 6766	MEAN 37.7 S D 9.483 TOTAL OBS 7439	MEAN 45.1 S D 9.343 TOTAL OBS 7193	MEAN 55.5 S D 8.013 TOTAL OBS 7434	MEAN 63.2 S D 6.632 TOTAL OBS 7189	MEAN 67.6 S D 5.797 TOTAL OBS 7438	MEAN 67.7 S D 6.358 TOTAL OBS 7438	MEAN 60.9 S D 7.929 TOTAL OBS 7180	MEAN 49.4 S D 9.005 TOTAL OBS 7322	MEAN 41.9 S D 9.933 TOTAL OBS 7194	MEAN 33.0 S D 10.388 TOTAL OBS 7433	MEAN 48.3 S D 16.704 TOTAL OBS 87462

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

724796 MCGUIRE AFB NJ

73-82

STATION		STATION NAME												YEARS											
HRS. LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0-02	MEAN	18.6	19.7	29.4	35.8	49.0	58.0	62.9	63.4	56.3	43.6	34.8	26.0	41.6											
	S.D.	15.142	13.788	11.960	11.964	9.512	7.675	6.759	7.056	8.961	10.406	12.211	13.405	19.169											
	TOTAL OBS.	930	846	930	900	930	895	930	930	900	915	900	930	10936											
3-05	MEAN	18.3	19.1	28.8	35.5	48.5	57.6	62.3	63.0	55.5	43.1	34.5	25.6	41.1											
	S.D.	15.074	14.038	12.002	11.864	9.506	7.756	6.898	7.391	9.273	10.666	12.064	13.428	19.190											
	TOTAL OBS.	929	846	930	900	930	899	930	930	900	915	900	928	10937											
6-08	MEAN	18.1	18.9	29.2	36.4	50.2	59.4	64.2	64.3	56.6	43.7	34.8	25.3	41.9											
	S.D.	15.132	14.138	12.145	12.033	9.589	7.320	6.359	7.149	9.161	10.618	12.014	13.307	19.724											
	TOTAL OBS.	929	846	930	899	929	900	930	930	899	913	900	930	10935											
-11	MEAN	19.6	20.7	30.6	37.1	50.9	60.0	64.6	65.6	58.2	45.2	36.4	26.8	43.1											
	S.D.	14.883	14.188	12.942	12.838	10.447	8.311	7.045	7.633	9.527	11.271	12.551	13.351	19.762											
	TOTAL OBS.	930	845	930	896	929	900	930	929	895	913	897	930	10924											
12-14	MEAN	20.5	21.3	31.2	37.1	50.6	59.5	64.0	64.9	57.6	44.4	36.0	26.9	43.0											
	S.D.	14.762	13.735	13.030	12.884	10.666	8.650	7.468	7.908	9.690	11.634	12.994	13.553	19.456											
	TOTAL OBS.	929	845	930	898	929	900	929	930	894	917	900	930	10931											
5-17	MEAN	20.4	21.3	31.0	36.8	50.3	59.0	63.5	64.4	57.2	44.1	35.5	26.5	42.6											
	S.D.	14.791	13.627	12.750	12.919	10.723	8.408	7.244	7.883	9.635	11.518	13.122	13.558	19.344											
	TOTAL OBS.	930	846	930	900	929	900	929	930	896	918	898	930	10936											
12-20	MEAN	19.8	20.9	30.7	36.3	49.8	58.6	63.7	64.3	57.3	44.4	35.2	26.2	42.4											
	S.D.	14.829	13.691	12.348	12.693	10.115	8.093	6.885	7.125	9.040	10.502	12.708	13.454	19.257											
	TOTAL OBS.	929	846	929	900	928	899	930	930	896	917	899	928	10931											
1-23	MEAN	18.9	20.6	30.3	36.2	49.7	58.3	63.6	63.9	56.7	43.8	34.9	26.1	42.0											
	S.D.	14.781	13.674	11.950	12.308	9.529	7.643	6.650	6.930	8.756	10.169	12.545	13.492	19.165											
	TOTAL OBS.	930	846	930	900	930	896	930	929	900	914	900	927	10932											
ALL HOURS	MEAN	19.3	20.3	30.2	36.4	49.9	58.8	63.6	64.2	56.9	44.0	35.3	26.2	42.2											
	S.D.	14.945	13.883	12.420	12.450	10.048	8.028	6.949	7.429	9.288	10.871	12.541	13.448	19.395											
	TOTAL OBS.	7436	6766	7439	7193	7434	7189	7438	7438	7180	7322	7194	7433	87462											

RELATIVE HUMIDITY

JAN

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.5	96.0	82.7	62.6	42.9	29.0	14.0	68.2	930
	03-05	100.0	100.0	99.9	97.0	86.2	66.4	45.9	29.6	17.2	69.9	929
	06-08	100.0	100.0	99.9	97.1	86.8	68.1	47.3	30.5	18.0	70.5	929
	09-11	100.0	100.0	99.7	94.1	76.0	53.5	35.2	22.7	11.5	64.9	930
	12-14	100.0	100.0	97.2	85.5	61.5	39.1	24.8	17.0	8.3	59.0	929
	15-17	100.0	100.0	97.5	83.3	60.4	39.1	25.8	18.6	9.1	58.9	930
	18-20	100.0	100.0	99.7	93.5	75.3	51.7	36.4	23.5	10.1	64.7	929
	21-23	100.0	100.0	99.6	94.5	80.3	59.0	39.2	26.6	12.6	66.8	930
TOTALS		100.0	100.0	99.1	92.6	76.2	54.9	37.2	24.7	12.6	65.4	7436

RELATIVE HUMIDITY

FEB

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	97.2	81.1	57.4	39.0	24.3	13.7	67.2	846
	03-05	100.0	100.0	99.9	98.1	85.7	64.1	41.5	26.4	14.7	68.8	846
	06-08	100.0	100.0	99.9	98.1	85.8	64.7	43.1	26.2	13.6	69.1	846
	09-11	100.0	100.0	98.2	89.5	67.9	43.8	27.6	17.2	11.0	61.4	845
	12-14	100.0	99.5	94.2	73.6	45.0	27.6	19.9	14.8	9.3	54.0	845
	15-17	100.0	99.3	92.3	69.5	43.7	27.0	20.3	13.9	8.5	53.2	846
	18-20	100.0	100.0	97.8	87.9	62.8	39.0	26.0	18.4	11.5	60.2	846
	21-23	100.0	100.0	99.6	96.1	76.2	51.7	35.0	23.0	13.1	65.5	846
TOTALS		100.0	99.9	97.7	88.8	68.5	46.9	31.6	20.6	11.9	62.4	6766

USAFETAC FORM 0-87-5 (OL A)
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AID WEATHER SERVICE/MAC

RELATIVE HUMIDITY

724096 MCGUIRE AFB NJ

73-82

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	96.7	87.5	69.7	50.9	36.0	17.3	71.7	930
	03-05	100.0	100.0	100.0	98.4	89.5	74.3	56.0	38.8	18.7	73.5	930
	06-08	100.0	100.0	100.0	99.1	89.9	69.6	53.3	36.9	18.0	72.6	930
	09-11	100.0	100.0	98.2	84.9	62.2	45.1	32.0	21.4	11.5	61.3	930
	12-14	100.0	99.6	97.0	66.1	44.8	32.5	25.2	17.4	8.6	54.2	930
	15-17	100.0	99.2	85.3	63.2	44.0	32.8	24.9	16.6	9.4	53.5	930
	18-20	100.0	99.9	96.7	83.4	62.4	46.4	33.6	22.1	12.3	61.6	929
	21-23	100.0	100.0	99.4	93.7	80.4	62.5	43.1	30.2	15.8	68.5	930
TOTALS		100.0	99.8	96.2	85.7	70.1	54.1	39.9	27.4	14.0	64.6	7439

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

APR
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.1	93.8	81.4	63.3	45.0	26.7	10.7	67.9	900
	03-05	100.0	100.0	99.8	96.9	88.0	71.3	52.0	30.2	14.7	71.0	900
	06-08	100.0	100.0	99.1	93.9	81.8	62.0	42.8	24.5	13.2	67.5	899
	09-11	100.0	99.6	91.2	69.9	47.3	30.9	20.0	13.3	8.1	53.8	896
	12-14	100.0	96.7	78.1	49.9	35.0	23.7	17.1	11.4	5.6	47.5	898
	15-17	100.0	96.0	71.2	49.7	34.6	25.3	17.9	12.2	5.2	47.0	900
	18-20	100.0	98.6	87.2	68.3	49.3	35.1	24.0	15.8	8.7	54.4	900
	21-23	100.0	99.6	97.6	85.6	69.9	53.7	36.0	21.2	9.8	63.1	900
TOTALS		100.0	98.8	91.4	76.0	60.9	45.7	31.9	19.4	9.5	59.0	7193

RELATIVE HUMIDITY

MAY
MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	99.6	96.3	87.8	70.5	52.7	25.7	79.3	930
	03-05	100.0	100.0	100.0	100.0	98.5	93.0	77.6	60.4	30.9	82.1	930
	06-08	100.0	100.0	99.8	98.5	92.8	80.9	64.3	46.4	19.7	76.2	929
	09-11	100.0	99.8	97.5	85.5	67.0	47.9	32.5	19.7	5.8	61.4	929
	12-14	100.0	99.7	90.5	71.4	47.7	32.0	21.4	12.9	3.8	53.6	929
	15-17	100.0	99.6	87.6	68.0	46.9	33.5	21.7	11.6	4.6	53.0	929
	18-20	100.0	100.0	96.3	84.3	68.5	50.9	36.1	21.9	7.1	62.3	928
	21-23	100.0	100.0	99.9	97.8	89.2	77.2	58.4	41.2	16.0	73.9	930
TOTALS		100.0	99.9	96.5	88.1	75.9	62.9	47.8	33.4	14.2	67.7	7434

RELATIVE HUMIDITY

JUN
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	98.3	92.6	82.6	60.6	23.6	82.0	895
	03-05	100.0	100.0	100.0	100.0	99.7	96.6	89.1	69.3	29.1	84.8	899
	06-08	100.0	100.0	100.0	99.9	97.6	90.9	75.2	53.7	17.1	79.3	900
	09-11	100.0	100.0	99.8	93.8	78.2	56.0	38.0	20.0	5.1	64.8	900
	12-14	100.0	100.0	97.6	82.1	58.9	37.0	19.8	10.7	3.9	56.7	900
	15-17	100.0	100.0	96.4	79.8	55.8	36.4	20.1	12.0	4.1	56.3	900
	18-20	100.0	100.0	99.4	93.0	77.5	56.3	37.2	24.4	7.6	65.3	899
	21-23	100.0	100.0	100.0	99.3	94.9	85.8	65.7	44.2	14.8	76.6	896
TOTALS		100.0	100.0	99.2	93.5	82.6	69.0	53.5	36.9	13.2	70.7	7189

RELATIVE HUMIDITY

JUL

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.4	97.4	84.6	58.8	22.3	92.1	930
	03-05	100.0	100.0	100.0	100.0	100.0	98.3	91.0	68.4	28.6	84.9	930
	06-08	100.0	100.0	100.0	100.0	98.8	92.6	78.4	53.0	20.4	80.1	930
	09-11	100.0	100.0	100.0	95.3	80.1	56.8	34.7	14.8	3.8	64.2	930
	12-14	100.0	100.0	99.7	83.1	57.7	34.9	15.9	7.3	2.7	55.8	929
	15-17	100.0	100.0	97.8	84.0	54.1	32.4	17.7	9.1	2.9	55.5	929
	18-20	100.0	100.0	100.0	96.5	81.7	57.8	37.1	19.1	3.9	65.2	930
	21-23	100.0	100.0	100.0	99.8	98.2	90.3	70.8	43.0	11.0	77.0	930
TOTALS		100.0	100.0	99.6	94.8	83.8	70.1	53.8	34.2	12.0	70.6	7438

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AUG
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STATION NAME

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MONTH

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FORM
HIS-4.4

0-87.5 (OL A)

RELATIVE HUMIDITY

SEP

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.3	96.2	88.1	65.8	24.8	83.6	900
	03-05	100.0	100.0	100.0	100.0	99.9	97.7	92.4	73.4	28.8	85.2	900
	06-08	100.0	100.0	100.0	100.0	99.3	95.7	86.0	64.6	25.5	83.1	899
	09-11	100.0	100.0	100.0	96.6	83.6	64.0	43.0	23.6	7.5	67.5	895
	12-14	100.0	100.0	98.5	82.9	63.3	38.7	22.9	13.0	3.5	58.	894
	15-17	100.0	100.0	98.1	85.0	65.5	42.0	25.8	12.9	3.8	59.0	896
	18-20	100.0	100.0	100.0	98.0	91.4	79.6	56.1	29.1	8.7	72.0	896
	21-23	100.0	100.0	100.0	99.8	98.0	93.2	80.7	52.1	16.6	80.1	900
TOTALS		100.0	100.0	99.6	95.3	87.5	75.9	61.9	41.8	14.9	73.6	7180

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

73-82

OCT
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	99.0	91.7	74.6	49.2	20.9	79.5	915
	03-05	100.0	100.0	100.0	100.0	99.6	96.1	80.4	56.8	22.0	81.5	915
	06-08	100.0	100.0	100.0	100.0	99.1	93.4	78.1	52.0	19.8	80.3	913
	09-11	100.0	100.0	99.8	93.5	76.0	53.1	31.5	19.5	5.1	63.6	913
	12-14	100.0	100.0	96.5	74.9	47.0	27.6	16.2	11.2	3.5	53.3	917
	15-17	100.0	100.0	96.5	76.9	52.2	32.2	19.2	12.4	3.9	54.9	918
	18-20	100.0	100.0	100.0	96.1	89.3	67.4	43.7	25.6	7.4	69.0	917
	21-23	100.0	100.0	100.0	99.9	97.3	87.0	64.4	37.4	14.4	76.0	914
TOTALS		100.0	100.0	99.1	92.9	82.4	68.6	51.0	33.0	12.1	69.8	7322

RELATIVE HUMIDITY

NOV
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	99.9	99.0	92.2	71.4	54.1	33.6	14.9	72.4	900
	03-05	100.0	100.0	100.0	99.7	96.1	80.9	60.1	39.9	16.2	74.9	900
	06-08	100.0	100.0	100.0	99.8	96.7	82.1	60.7	39.8	15.6	75.1	900
	09-11	100.0	100.0	100.0	92.2	72.4	51.3	34.9	21.2	6.4	63.6	897
	12-14	100.0	100.0	97.2	74.0	46.8	29.2	19.6	11.1	4.0	53.8	900
	15-17	100.0	100.0	97.4	79.5	50.0	32.5	22.5	13.7	5.1	55.6	899
	18-20	100.0	100.0	99.8	95.3	77.8	56.1	33.1	20.0	8.7	64.9	899
	21-23	100.0	100.0	99.9	98.1	87.0	66.9	44.1	27.6	11.0	69.3	900
TOTALS		100.0	100.0	99.3	92.2	77.4	58.0	41.1	25.9	10.2	66.2	7194

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

704096
STATION

MCGUIRE AFB NJ

STATION NAME

73-82

PERIOD

DEC

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.9	98.3	97.9	74.5	54.7	36.3	15.8	72.8	930
	03-05	100.0	100.0	99.7	98.7	93.3	78.4	58.5	35.7	15.4	73.6	928
	06-08	100.0	100.0	99.7	99.2	92.8	79.4	58.3	37.7	15.9	74.1	930
	09-11	100.0	100.0	99.6	95.6	79.5	58.6	40.0	25.8	11.7	66.9	930
	12-14	100.0	99.8	98.1	82.7	57.5	39.7	26.0	16.5	9.2	58.8	930
	15-17	100.0	99.8	97.3	85.5	60.6	42.6	27.0	16.8	8.8	59.7	930
	18-20	100.0	100.0	99.4	95.6	79.3	60.7	38.0	25.0	11.5	66.7	929
	21-23	100.0	100.0	99.7	97.1	87.8	69.1	48.7	32.5	15.2	70.8	927
TOTALS		100.0	100.0	99.2	94.1	80.2	62.9	43.9	28.3	12.9	67.9	7433

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

RELATIVE HUMIDITY

724296
STATION

MCGUIRE AFB NJ
STATION NAME

73-82
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

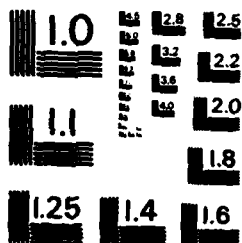
MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.1	92.6	76.2	54.9	37.2	24.7	12.6	65.4	7436
FEB		100.0	99.9	97.7	88.8	68.5	46.9	31.6	20.6	11.9	62.4	6766
MAR		100.0	99.8	96.2	85.7	70.1	54.1	39.9	27.4	14.0	64.6	7439
APR		100.0	98.8	90.4	76.0	60.9	45.7	31.9	19.4	9.5	59.0	7193
MAY		100.0	99.9	96.5	88.1	75.9	62.9	47.8	33.4	14.2	67.7	7434
JUN		100.0	100.0	99.2	93.5	82.6	69.0	53.5	36.9	13.2	70.7	7189
JUL		100.0	100.0	99.6	94.8	83.8	70.1	53.9	34.2	12.0	70.6	7438
AUG		100.0	100.0	99.9	97.3	88.9	76.5	61.0	42.5	15.5	73.9	7438
SEP		100.0	100.0	99.6	95.3	87.5	75.9	61.9	41.8	14.9	73.6	7180
OCT		100.0	100.0	99.1	92.9	82.4	68.6	51.0	33.0	12.1	69.8	7322
NOV		100.0	100.0	99.3	92.2	77.4	58.8	41.1	25.9	10.2	66.2	7194
DEC		100.0	100.0	99.2	94.1	80.2	62.9	43.9	28.3	12.9	67.9	7433
TOTALS		100.0	99.9	98.4	90.9	77.9	62.2	46.2	30.7	12.8	67.7	87462

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MCGUIRE AFB NEW JERSEY REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVA..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. 20 JUL 83
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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STATION NAME

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MONTH

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

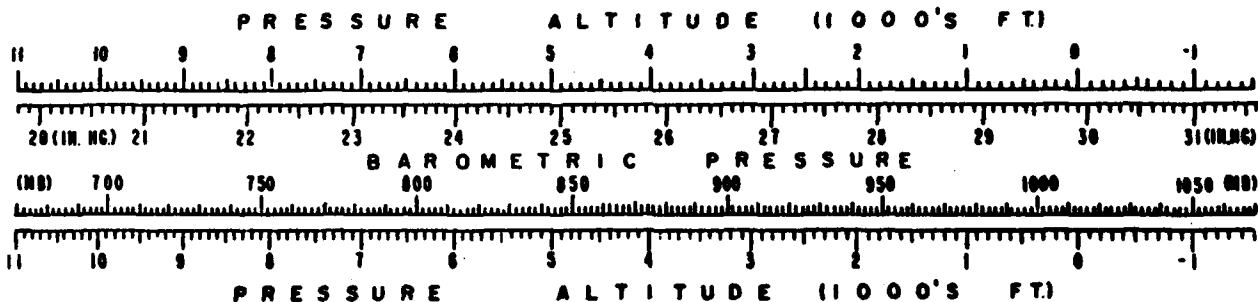
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

724796 MCGUIRE AFB NJ

73-82

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN	29.88329	90529	85529	83329	81329	83129	83729	88829	90129	91829	92229	910	29.874
	S D	.289	.281	.269	.228	.164	.173	.138	.118	.150	.220	.240	.282	.223
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
03	MEAN	29.88329	89529	84529	82429	80129	81829	82729	87829	88729	91129	91529	909	29.866
	S D	.292	.286	.266	.233	.166	.176	.140	.117	.154	.218	.241	.285	.225
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
06	MEAN	29.88429	90729	86329	84229	82229	83729	84629	89529	90629	92629	92429	913	29.880
	S D	.295	.282	.267	.244	.169	.176	.140	.119	.159	.218	.243	.283	.226
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
09	MEAN	29.91629	93429	88729	85429	83529	84929	85829	90829	92529	94929	94829	939	29.900
	S D	.295	.279	.272	.252	.171	.179	.139	.121	.162	.225	.246	.285	.230
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
12	MEAN	29.88529	91329	85929	82729	81529	83529	84729	89429	90529	92029	91929	912	29.877
	S D	.298	.280	.280	.249	.169	.179	.138	.121	.161	.230	.243	.285	.230
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
15	MEAN	29.84929	86829	80929	78729	78229	80529	81929	86429	86929	88329	88729	885	29.842
	S D	.296	.277	.279	.240	.167	.178	.138	.119	.159	.227	.237	.277	.227
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
18	MEAN	29.86829	88429	81929	79029	77829	80029	80929	86029	87229	89729	90829	903	29.849
	S D	.297	.274	.271	.233	.163	.173	.139	.118	.156	.226	.232	.273	.225
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
21	MEAN	29.88629	90529	85029	82729	80929	82729	83429	88729	89829	91829	92229	913	29.873
	S D	.293	.275	.267	.229	.160	.170	.135	.118	.151	.223	.231	.276	.221
	TOTAL OBS	310	282	310	300	310	300	310	310	300	308	300	309	3649
ALL HOURS	MEAN	29.88229	90129	84829	82329	80729	82529	83829	88429	89529	91529	91829	911	29.870
	S D	.294	.279	.272	.239	.167	.176	.139	.119	.157	.224	.239	.281	.226
	TOTAL OBS	2480	2256	2480	2400	2480	2400	2480	2480	2400	2478	2400	2479	29213



USAFETAC FORM 101 64 0-89-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

724096

MCGUIRE AFB NJ

73-82

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00	MEAN S D TOTAL OBS	1017.51021.11015.11015.81014.51013.71015.31016.91017.51018.71018.71019.3	8.51510.644 9.551 7.920 5.265 5.590 4.490 4.331 4.384 7.881 8.902 8.782	62 57 65 90 94 92 93 93 91 93 92 93	1016.9 7.510 1015									
03	MEAN S D TOTAL OBS	1017.61020.81014.51015.61014.31013.51015.11016.61017.01018.41018.21019.3	8.36510.829 9.760 7.990 5.284 5.627 4.511 4.351 4.568 7.782 9.083 8.727	62 57 64 89 93 91 93 94 90 94 92 94	1016.6 7.562 1013									
06	MEAN S D TOTAL OBS	1017.71021.61015.71016.21014.91014.21015.71017.11017.61018.91018.51019.5	8.16010.787 9.507 8.187 5.374 5.742 4.410 4.388 4.722 7.794 9.111 8.631	62 60 63 89 93 93 94 93 91 94 91 93	1017.2 7.527 1016									
09	MEAN S D TOTAL OBS	1018.41021.91016.41016.51015.31014.51016.11017.51018.41019.81019.21020.5	8.17911.270 9.643 8.573 5.367 5.873 4.503 4.542 4.690 8.061 9.271 8.851	65 58 63 89 93 91 93 93 90 94 91 94	1017.8 7.739 1014									
12	MEAN S D TOTAL OBS	1017.41021.41015.61015.61014.71013.91015.61017.11017.71018.61018.41019.5	8.65111.567 9.699 8.480 5.400 5.897 4.582 4.567 4.592 8.405 9.201 8.668	63 57 64 91 93 92 94 94 92 95 91 94	1017.0 7.767 1020									
15	MEAN S D TOTAL OBS	1016.11020.11013.61014.11013.51012.91014.71016.01016.61017.51017.41018.8	8.76011.253 9.495 8.244 5.334 5.926 4.662 4.399 4.522 8.498 8.891 8.554	62 58 62 90 93 90 93 93 91 93 91 94	1015.9 7.697 1010									
18	MEAN S D TOTAL OBS	1016.81020.61014.01014.11013.41013.01014.41015.81016.61017.91018.21019.2	8.76211.150 9.508 8.193 5.270 5.727 4.748 4.283 4.462 8.524 8.665 8.437	62 57 63 90 93 92 93 93 90 95 90 93	1016.1 7.686 1011									
21	MEAN S D TOTAL OBS	1017.51021.01014.91015.41014.51013.81015.21016.81017.41018.81018.71019.6	8.69111.073 9.277 7.994 5.019 5.700 4.604 4.077 4.426 8.241 8.557 8.676	62 57 62 90 94 91 93 93 90 93 90 93	1016.9 7.519 1008									
ALL HOURS	MEAN S D TOTAL OBS	1017.41021.11015.81015.41014.41013.71015.31016.71017.31018.61018.41019.5	8.47711.003 9.430 8.201 5.381 5.786 4.574 4.380 4.559 8.140 8.934 8.638	500 461 506 718 746 732 746 746 725 751 728 748	1016.8 7.644 8104									

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